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INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1932

PART C

STORMS AND DEPRESSIONS

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S. K. BANERJI, D.Sc.,

Offg. Director General of Observatories

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Errata to India Weather Review, Annual Summary for 1932, Part C.

Page C2, second table of observations for 21st May, column for weather remarks :—

Delete Squalls *against* " Masimpur " *and insert* Squalls *against* " Shahjahan ".

Page C10 :—

Section 4, Storm of 18th-21st September 1932, *should read after* section 12, Depression of 2nd-3rd September 1932.

Page C11, first column, line 5 from the bottom :—

For ·035″ *read* 0·35″.

Page C13, heading of section 7 :—

For July 1933 *read* July 1932.

Page C20, Table II, observations of Table Island, column for average speed past 24 hours :—

For 5, 6, 15, 15, 16, *respectively, read* 4, 4, 20, 20, 12.

Page C20, same table, column for extracts from weather diary, second last line of remarks for 20th October :—

For from thunder *read* thunder from.

Page C21, Table III, date 20th October, hour 6½ :—

Delete the figures for Latitude and Longitude.

Page C21, same table, same date, hour 20 :—

Delete the first row of figures and remarks referring to this hour.

MGIPC—M—VIII-3-178—17-5-34—430.

ANNUAL SUMMARY 1932.

PART C.

STORMS AND DEPRESSIONS.

DEPRESSIONS AND CYCLONIC STORMS.

During the year 4 storms and 7 depressions formed in the Bay of Bengal, 2 storms and 2 depressions in the Arabian Sea and one depression over west Bengal. The dates on which the storms occurred and the greatest barometric depths observed are summarised in the Table below :—

TABLE.

Serial No.	Locality.	Month.	Date.	Greatest observed barometric depth.
1	Bay of Bengal . .	May .	22—25	0·55″
2	Arabian Sea . .	May .	24—25	0·40″
3	Bay of Bengal . .	September	18—21	0·35″
4	Arabian Sea . .	October .	14—22	..
5	Bay of Bengal . .	October .	19—22	0·35″
6	Bay of Bengal . .	November.	23—26	..

The detailed descriptions of these storms and depressions are, as usual, followed by a list of western disturbances of the year, of the more important local storms, and of the localities in which the winds of force 9 or more were experienced by ships in the Indian Seas.

1. *Depression of 20th to 22nd May.*—Signs of a temporary advance of the monsoon in the neighbourhood of Ceylon were noticeable after the 7th May ; Colombo had 2″ of rain on the 8th, 5″ on the 9th and 7″ on the next day. Rough seas and strong winds accompanied with squalls were reported from the southeast Arabian Sea off Ceylon on the morning of the 10th. Pressure began to fall in the southeast Arabian Sea after the 10th, and a trough of low pressure appeared there on the 12th, Colombo having a SW-ly wind of force 6 at 0·5 Km. (the limit of the flight) that afternoon. On the 13th Trivandrum recorded 3″ of rain. On the 15th, a further concentrated fall in pressure occurred in the neighbourhood of the Laccadives and fairly widespread thunderstorm rain occurred in south Madras on that day. Upper winds at Colombo were from W to SW and of force 6 to 7 upto 1·5 Km. (the limit of the flight) on the 16th morning, while on that day Minicoy had 1½″ of rain and Amini Devi ½″. On the 17th, upper winds at Trivandrum were from SW at least upto 4 Km. (the limit of the afternoon flight) with force 3 upto 1·5 Km. and force 7 to 8 above. Widespread rain occurred in south Madras, with locally very heavy rain in Malabar and Coorg on the 17th; Minicoy and Amini Devi also had 1″ each on that day. The upper winds at Trivandrum had further strengthened on the 18th and, on that day, Mangalore upper winds were moderate to strong from between NW and NE upto 4 Kms. On the 19th morning, it was noticed that a cyclonic circulation was being established off Malabar.

By the 20th morning, a deep depression had formed with centre near Lat. 12½°N and long. 74°E, the barometric depth at the centre being more than 0·3″ as indicated by the coastal observations ; in the previous 24 hours, rainfall had extended into the Bombay Deccan and the Konkan. A northward movement of the depression was indicated by a change in Mangalore upper winds which were blowing from a S-ly to SW-ly direction (force 7 to 9) at least up to 1 Km. (the limit of the flight) on the 20th afternoon. Between the 20th and 21st, the wind at Amini Devi had backed to southwest from west-northwest and had also increased in strength (force 5 to 6). The depression was centred near Lat. 13½°N and Long. 73°E on the 21st morning. As indicated by the coastal observations, the barometric depth at the centre of the depression had probably not appreciably increased since the previous day. The depression continued to move slowly northwestwards and weakened at the same time, and its centre moved to near Lat. 14°N and Long. 72½°E by the 22nd morning. In the course of that day, the cyclonic circulation had broken up and on the next morning a trough of low pressure lay off the Malabar Konkan coast.

2. *Severe Cyclone of 22nd—25th May, 1932.*—On the 15th May, associated with an advance of the southwest monsoon conditions became unsettled in the southwest Bay of Bengal and a trough of low pressure extended in the south Bay from Ceylon to the west of the Andamans. During the course of next five days, the unsettled conditions persisted and moved gradually, though slowly, towards the central Bay along with a northward advance of the monsoon. Under the influence of the unsettled conditions fairly widespread thunderstorm rain occurred in southeast Madras from 14th to 18th, and in the north Madras coast on the 17th and 18th.

By the morning of the 21st May, the unsettled conditions appeared to have concentrated between the latitudes 10° and 18° and longitudes 86° and 94°. The observations from

the following ships indicated that on that day a cyclonic circulation existed over the Bay.

Date.	Steamer.	Hour.	Position. Lat. N.	Position. Long. E.	Wind. Dir.	Wind. Force.	Weather Remarks.
			° ′	° ′			
21st May.	"Chakrata" .	10	1030	8730	NW	5	Rainsqualls.
	"Barala" ..	7	1130	8530	NW	5	Rain.
	"Erinpura" .	6½	1518	9254	SE	4	Rain.
21st May.	"Binfield" .	7	1830	9130	ESE	5	
	"Chinkoa" .	7½	1748	9148	ESE	5	
	"Ethiopia" .	8 (log.)	1854	8530	NE	3	
	Ditto .	6½	1354	8518	NE	4	

The observations from the following ships and stations indicate that by the same evening the unsettled conditions became strongly pronounced :—

Date.	Steamer.	Hour.	Position. Lat. N.	Position. Long. E.	Wind. Dir.	Wind. Force.	Sea.	Weather Remarks.
			° ′	° ′				
21st May .	"Chakrata" .	16	1030	8730	NW	5	Smooth or slight . .	Weather better.
	"Port Blair" .	17	..	..	SW	3		
	"Masimpur" .	21½	13 36	92 18	SSW	5	Rough	Squalls.
	"Shahjahan"	16	13 30	93 30	S	5		
	"Kutsang" .	15½	15 30	92 30	SE	4	Moderate	Showers.
	Ditto .	18½	16 00	92 12	SSE	5	Moderate	Rain with squalls.
	"Ranee" .	19	16 30	90 30	SSE	5	Moderate	Suspicious.
	"Aungban" .	21½	18 12	91 00	SE	5	Moderate	Thunderstorm.
	"Karoa" .	16	18 30	90 30	SE	5	Moderate	Squalls.
	"Ethiopia" .	15½	14 12	87 18	NNE	3	Slight	Heavy rain.

The monsoon continued to advance northwards and by the 22nd morning it had spread over the whole of the Bay. Rough seas, rainsqualls and strong winds were reported from almost all the ships in the South and Central Bay. Meanwhile pressure kept on falling over the Central Bay and the unsettled conditions which had moved slightly westwards began to develop into a depression with central region near Lat. 16°N, Long. 86°E. This will be clear from the following ships' observations :

Date.	Steamer.	Hour.	Position. Lat. N.	Position. Long. E.	Wind. Dir.	Wind. Force.	Sea.	Weather Remarks.
			° ′	° ′				
22nd May .	"City of Leicester"	8	14 16	85 18	WNW	4	Moderate	Overcast
	"Erinpura" .	7	14 12	87 12	W	5	Moderate	Squall.
	"Erinpura" .	9½	14 12	86 30	WNW	4	Moderate	Squall.
	"Kutsang" .	6½	17 48	90 48	SE	6	Rough	Rain.
	"Ranee" .	7	15 30	89 30	SSE	2		
	"Tairea" .	6½	15 06	90 18	S	5	Moderate	Rain.
	"Jugo Maru" .	8	..	..	NE	5		

The upper winds at Vizagapatam and Madras from 1 Km. upwards on the 22nd morning suggested that the cyclonic circulation over the Bay off the Circars coast extended at least up to 4 Km.

Pressure continued to fall over the North and Central Bay, and by the early morning of 23rd a depression had formed with its central region near Lat. 17½°N, Long. 86½°E, the depression was then moving in a northerly direction. The following extracts from the logs of *S. S.* "*Chilka*," "*Magdapur*" and "*Kutsang*" which lay quite close to its centre on the 23rd as well as from those of some other ships are of interest :—

Date.	Steamer.	Hour.	Position.		Wind.		Sea & Swell.	Weather Remarks.
			Lat. N.	Long. E.	Dir.	Force.		
			° ′	° ′				
23rd May .	"Chilka" .	1	18 30	86 30	ENE	7	Rough, inconspicuous (confused).	Heavy rain.
		7	18 30	87 30	ESE	7	Rough, swell conspicuous (confused).	Squally.
		8	18 06	87 30	SE	6	Rough, heavy swell (confused)	Overcast squally.
		16	19 30	85 30	ENE	5	Rough, swell inconspicuous (confused).	Rain.
		20	17 25	89 08	SW	7	Very rough, swell heavy (SW)	Overcast squally.
		22	17 30	89 30	SW	9	Very rough, swell moderate (SW)	Squally.
24th May .	Ditto .	6½	17 30	89 30	SW	7	Very rough, swell conspicuous (confused).	Squally.
		7	16 30	90 30	SW	7	Rough.	
		8	16 45	91 43	SW	6	Rough, swell heavy (SW) .	Overcast squally.
		16	16 30	92 30	SW	7	Very rough, swell conspicuous (confused).	Squally.
23rd May .	"Kutsang" .	0	..	..	SE	5 or 6	Very rough . . .	Overcast squally rain.
		0½	20 18	88 48	ESE	5	Very rough, swell heavy (SE)	Squally showers.
23rd May .	"Kutsang" .	4	..	..	E	5	Very rough . . .	Overcast rain squally.
		8	..	..	ENE	5	Moderate, heavy swell .	Overcast squally rain.
		12	..	..	NNE	6	Rough	Overcast rain.
23rd May .	"Magdapur" .	1½	17 24	86 42	SW	7	Very rough, swell confused (SW).	Squally.
		8	15 56	86 00	WSW	7	Very rough, swell heavy (confused).	Overcast squally fierce squalls of storm force.
24th May .	Ditto .	2½	20 30	87 54	WSW	5	Very rough, swell heavy .	Distant lightning
		6½	18 00	86 54	SW	7	Rough, swell heavy . .	Distant lightning.
		8	17 44	87 13	SW	7	Very rough, swell heavy (SW)	Overcast.
		18½	19 06	87 42	WSW	6	Very rough, swell heavy (SW)	Distant lightning (showers).
		20	19 30	88 00	WSW	6	Rough, swell heavy (SW) .	Overcast.
23rd May .	"City of Leicester"	4	..	..	W	7	Heavy swell . . .	Overcast.
		8	16 05	86 04	W	8	High	Overcast.
		12	16 19	86 09	W	10	High	Overcast rain squally.
		16	16 30	86 30	W	7	Rough.	
		20	..	..	WSW	8	High	Overcast rain squally.
24th May .	Ditto .	0	..	..	W	8	High	Overcast.
		4	..	..	SW	9	High	Overcast squally rain.

Date.	Steamer.	Hour.	Position. Lat. N.	Position. Long. E.	Wind. Dir.	Wind. Force.	Sea & Swell.	Weather Remarks.
			° ′	° ′				
24th May .	"City of Leicester."	6½	18 00	87 00	W	8	Moderate, swell from SW .	Continuous rain distant lightning.
		8	17 47	86 51	SW	7	High	Overcast squally rain.
		12	18 04	87 00	SW	7	Rough	Overcast squally rain.
		16	..	..	SW	6	Rough	Overcast squally.
		20	..	..	SW	6	Rough	Overcast squally.
23rd May .	"Haresfield" .	15½	19 24	87 36	ESE	5	Rough, moderate swell from E.	Squally.
		16	..	..	ESE	5	Rough, moderate swell .	Overcast rain squally heavy rainsqualls.
		17½	19 12	87 48	SSE	7	Very rough. swell confused from SE.	Signs that tropical storm has formed.
		20	..	..	S/E	9	Very rough, heavy swell (confused).	Overcast.
		21½	19 00	88 00	SSW	9	Precipitous, swell confused from S.	(Gale) signs that tropical storm has formed.
		22	..	..	SW/W	9	....	Wind veering slowly to westwards.
24th May .	..	0	..	..	W/S	9	High, swell heavy (confused)	Overcast rain squally heavy rainsqualls.
		4	..	..	W	6	Rough, swell heavy . .	Overcast.
		8	18 27	87 46	W/S	7	Very rough, swell heavy (confused).	Thunder-storm, squally rain, heavy squalls of wind and rain.
23rd May .	"Tairea" .	0½	16 30	91 30	SSE	4	Very rough, swell low from SW.	
23rd May .	"Pasha" .	22	15 36	86 24	WSW	7	Rough, swell low from SW .	Squally.
24th May .	"Dogra" .	10	In river Hooghly 22 05	88 14	N	7	....	Gloomy overcast rain.
		11	..	..	NE	9	....	Gloomy overcast rain.
		12	..	..	NW	10	....	Gloomy overcast rain.
		13	..	..	NNW	9	....	Gloomy overcast squally.
		14	..	..	WNW	9	....	Gloomy overcast squally.
		16	..	..	W	6	....	Cloudy squally.
24th May .	"Sirsa" .	0	..	..	ESE	5	Rough, swell heavy . .	Overcast, fierce squalls.
			Reached Sandheads at 2-15.					
		4	At Sandheads .		ESE	6	Rough, swell heavy from SSE	Overcast, squally, rain, red signals from pilot.
		6	..	..	N	12	....	"No boating" from 6-7 hours wind increased to hurricane force with driving rain.
		7	..	..	N	12	....	
		8	..	..	NW	9-10	Rough, swell high (confused)	Rain, squally, squalls of hurricane force with rain.
		12	..	..	NW	Gale	High, heavy swell (confused)	Strong squall.
		16	..	..	SW	6	Rough, swell heavy . .	Partly cloudy.
		20	..	..	SW	5	Rough, swell heavy . .	Rain, squall (occasional rainsqualls).

The wind directions and forces reported by *S. S. "Chilka"* and *"Magdapur"* (at 1 hour and 1·30 hours on the 23rd morning) showed that the depression was intensifying into a storm with a core of violent winds. By the same evening it developed into a storm centred near Lat. 18½°N, Long. 87°E, with a core of winds of strong gale force as reported by *S. S. "Chilka"* and *"Haresfield"* (17·30 hours). The storm continued moving in a northerly direction and was rapidly approaching the south Bengal coast. Great danger warnings were issued to Burdwan and Presidency Divisions and danger warnings to 24 Parganas and Contai districts at 23 hours on the 23rd.

By early morning of the 24th the storm had further developed and become one of severe intensity. Moving in a northerly direction it lay at that time in the neighbourhood of the Sandheads. The following table gives an idea of the depth of the storm over the sea :—

Date.	Hour.	SANDHEADS.				SAUGOR ISLAND.			
		P. Dep.	P. Change.	Wind.		P. Dep.	P. Change.	Wind.	
				Force.	Dir.			Force.	Dir.
23rd	17	—·220	—·210	5	E	—·140	—·180	7	NNE
	19	—·270	—·120	5	E	—·170	—·090	6	NNE
	23	—·390	—·240	5	ESE	—·300	—·220	9	NE
24th	2	—·480	—·390	6	ESE	—·330	—·300	7	NNE
	6	—·700	—·550	7	NNW	—·480	—·400	9	ENE
	8	—·660	—·510	8	WNW	—·550	—·460	9	N
	11	—·450	—·290	9	W	—·510	—·380	7	NNW
	14	—·330	—·140	8	W	—·390	—·260	7	NW
	17	—·270	—·040	6	WNW	—·470	—·130	6	WNW

It will be seen from the table above that the surface wind at Sandheads which was ESE (Force 6) at 2 hours became NNW (Force 7) at 6 hours showing thereby that the cyclone was probably curving northeastwards. Winds of gale force (Force 7-10) were reported by Saugor Island and by several of the light ships plying in the Hooghly River. The telegraphic communication with Saugor Island was interrupted twice and Saugor Island hoisted Signal XI. The extracts from the logs of the following light vessels show what terrific winds were experienced during the passage of the storm over the Hooghly river and southwest Bengal.

Weather Report of F. L. V. "Star", Lower Gasper Station, from 18 hours of 23rd May 1932 to 18 hours of 24th May 1932.

Date.	Hour.	Wind.		Remarks.
		Dir.	Force.	
23rd	18	ENE	3	Moderate sea and swell.
	20	E	8—9	Unsettled with heavy sea and swell.
	22	E	8—9	Ship labouring heavily.
	24	E	8—9	Ditto.

Weather Report of F. L. V. "Star". Lower Gasper Station from 18 hours of 23rd May 1932 to 18 hours of 24th May, 1932—contd.

Date.	Hour.	Wind.		Remarks.
		Dir.	Force.	
24th	2	SW	9—10	Ship labouring heavily.
	4	SW	9—10	Ditto.
	6	SW	9—10	Ditto.
	7	ENE	9—10	Ditto.
	8	ENE	9—10	Ditto.
	9	N	9—10	Ditto.
	10	N	9—10	Ditto.
	11	N	9—10	Ditto.
	12	N	9—10	Ditto.
	14	NW	9—10	Ditto.
	16	NW	9—10	Ditto.
	18	NW	6	Ditto.

Hourly report of T. L. V. "Luna", Intermediate station, from 2 hours to 20 hours of 24th May.

Date.	Hour.	Wind. Dir.	Wind. Force.	Remarks.
24th . .	2	E	5	
	3	E	7	
	4	ENE	7	
	5	E	6	Veered away coir hawser.
	6	ENE	7	
	7	ENE	7	
	8	ENE	8	
	9	NW	10	
	10	NW/W	12	From 9/30 to 10/30 wind blowing with hurricane force with very heavy seas, waves breaking over the vessel frequently, crew standing by watching hawser and hatcher.
	11	WNW	10	
	12	WNW	10	
	13	NW/W	10	
	14	NW	10	
	15	NW	9	
	16	NW	9	
	18	NW	8	
	20	NW	6	

Weather report of Saugor Light House, 23rd and 24th May 1932.

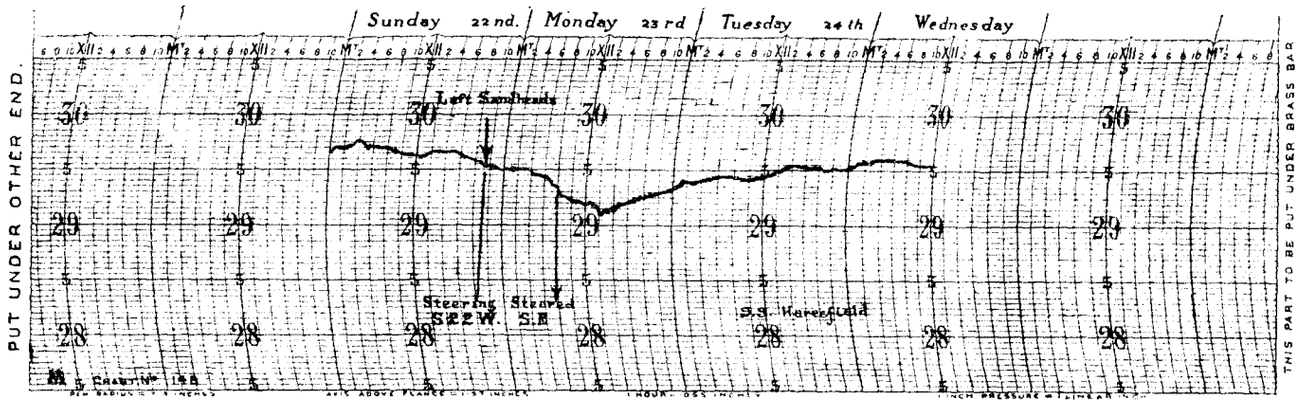
Date.	Hour.	Bar.	Wind. Dir.	Wind. Force.	Wind. Velocity. m. p. h.	Rain.
23rd	23	29·496	NE	9	38	
24th	2	·426	NNE	7	30	
	6	·300	NNE	9	34	
	7·38	·272	N	9	30	
	11·00	·306	NNW	7	43	
	14·00	29·346	NW	7	28	23rd-24th, 7·38″—7·98″.
	17·00	·444	WNW	6	28	24th-25th, 3·56″.
	19·00	·490	WNW	5	25	
	23·00	·596	W	5	20	

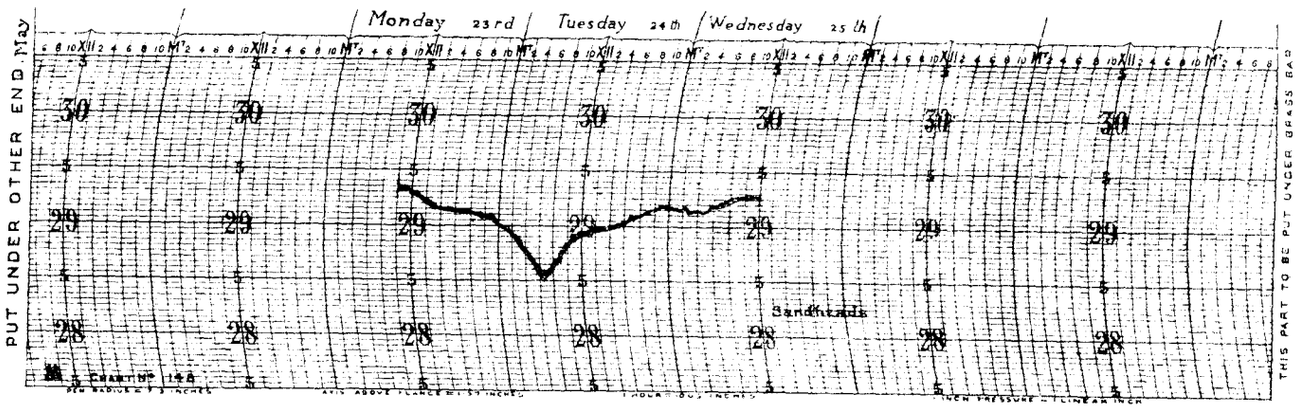
Hourly report of F. L. V. "Fame", Pilots Ridge Station, from 17 hours of 23rd May 1932 to 18 hours of 24th May 1932.

Date.	Hour.	Wind. Dir.	Wind. Force.	Remarks.
23rd . .	17	ENE	5—6	
	18	ENE	5—6	*Sun set.*—Weather very threatening looking, with heavy rainsqualls, big swells and sea.
	19	E	5—6	
	20	ESE	5—6	*20·00 hours.*—Weather same, with slightly bigger swell.
	21	E	6—7	*Midnight.*—Weather unsettled overcast with heavy rainsqualls, rough sea and big swells. Crew on watch and watch.
	22	SE	6—7	
	23	SE	6—8	All station duties strictly carried out.
	24	ESE	6	
24th . .	1	ESE	6	*A. M.*—Weather about the same vessel pulling heavily on Devils claw. Rolling pitching and lurching about. Glasses dropping rapidly.
	2	E	7—8	
	3	E	7—8	
	4	E	7—8	
	5	NNE	9—10	
	6	NNE	9—10	*6 hours.*—Heavy squalls, wind force 9/10, Crew sky sights and companion.
	7	N	12	
	8	N	12	*8 hours.*—Weather of cyclonic nature with boiling seas wind force 10/12.
	9	NW	10	
	10	NNW	10	
	11	NNW	10	
	12	NNW	8	*Noon to 16 hours.*—Wind force 8, with numerous short squalls, wind force 12 weather moderating somewhat.
	13	NW	10	
	14	NW	12	
	15	NW	8	*16½ hours.*—Squally with mountainons seas still running.
	16	NW	8	*18 hours.*—Vivid lightning all round Horizon.
	18	NW	5·6	*Midnight.*—Weather unsettled with thunder and lightning fresh northwesterly breeze, moderate swell and sea.

On 3 hours chart of the 24th, great danger warnings were issued to Dacca and Chittagong divisions in addition to Burdwan and Presidency because of the tendency of the storm to move northeastwards.

The barogram of *S. S. "Haresfield"* (received by courtesy of Capt. Horner) which was on its way to Calcutta, is reproduced below and shows that the pressure began to fall rapidly after the boat left the Sandheads. The barogram at the Sandheads is also reproduced below :—





Saugor Island reported at 6 hours on the 24th "Bar falling rapidly, weather stormy, squalls increasing velocity 34 m.p.h." A copy of the Sandheads message on the 24th morning ran as follows :—"Barometer reading at 06-00, 28·935, present weather wind WNW, force 10, high confused sea and swell, driving rain, barometer 29·102 at 09-00 I. S. T.

After the morning of the 24th the cyclone took a northeasterly course and crossed coast near Saugor Island by midday. It continued to move in the same direction, and passing about 50 miles east of Calcutta at about 14 hours, it began to weaken. On the 25th afternoon it lay near Khulna and the next morning it had weakened into a deep depression lying over east Bengal near Mymensingh. Thereafter it rapidly filled up during the next 24 hours and became unimportant.

The storm was responsible for widespread and locally heavy rain along and near its track (Orissa, Bengal and Assam); some of the notable falls of 5″ and above are given in the table below.

Rainfall of 5″ and above on 22nd-26th (inclusive) May 1932.

BENGAL.

District.	Stations.	22nd.	23rd.	24th.	25th.	26th.
		″	″	″	″	″
24 Parganas .	Gobasa . .	6	7	..	..	..
	Saugor Island (Observatory).	..	..	8	..	..
	Canning Town	..	..	7	..	..
	Alipore (Observatory).	..	..	6	..	..
	Dum Dum .	..	5	..	..	..
	Basirhat . .	..	..	6	..	..
Nadia . .	Krishnagar (Observatory).	..	..	5	5	..
Murshidabad .	Akriganj . .	..	..	..	8	..

Rainfall of 5″ and above on 22nd-26th (inclusive) May 1932—contd.

BENGAL—*contd.*

District.	Ssations.	22nd.	23rd.	24th.	25th.	26th.
		″	″	″	″	″
Jessore . .	Narail . .	..	..	5	..	..
	Jessore (Observatory).	..	..	5	..	..
	Bongaon . .	..	..	6	..	..
Khulna . .	Satkhira (Observatory).	..	..	6	..	..
	Khulna (Observatory).	..	..	6	..	..
	Rampal . .	..	..	6	..	..
	Kalaroa . .	..	..	5	..	..
	Mollahat . .	..	..	6	..	..
	Nakipur . .	..	5	..	..	..
	Dumuria . .	..	7	..	..	..
Midnapore . .	Contai . .	..	6	..	..	..
	Pachet . .	..	..	6	..	
	Ramnagar .	..	7	..	..	..
	Jenka (Khajri) .	..	..	5	..	..
	Nandigram .	..	6	..	..	..
Hoogly . .	Serampore .	..	..	6	..	..
	Hoogly . .	..	..	6	..	..
	Chanditala .	..	..	5	..	..
Howrah . .	Amta . .	..	..	..	6	..
Hoogly . .	Tentulia . .	..	6	..	..	..
Midnapore . .	Kukrahati .	..	..	5	..	..
Bankura . .	Taldangra .	..	..	..	7	..
Dacca. . .	Manikganj .	..	..	5	..	..
	Munshiganj .	..	..	..	7	..
	Nawabganj .	..	..	..	5	..
Mymensingh .	Mymensingh (Observatory).	..	..	..	7	..
	Netrokona .	..	..	..	5	..
Faridpur . .	Palong . .	..	..	5	..	..
Bakarganj . .	Patuakhali .	..	..	7	..	..
	Pirojpur . .	..	..	10	..	..

Rainfall of 5″ and above on 22nd -26th (inclusive) May 1932—concld.

ASSAM.

District.	Stations.	22nd.	23rd.	24th.	25th.	26th.
		″	″	″	″	″
Shillong . .	Shillong . .	..	..	..	10	..
	Cherrapunji .	..	..	..	18	..
	BIHAR AND ORISSA.					
Purnea . .	Pakur . .	..	..	..	5	..
Santal Parganas .	Kendrapara .	..	5	..	..	..

It is reported that the heavy rain and strong winds associated with the storm caused widespread damage to property in south and east Bengal, particularly in the districts near the Meghna estuary. At Noakhali the river became furious and several houses and buildings were toppled down by the huge breakers dashing against the coast. Much damage to property was also reported from districts of Comilla, Dacca, Mymensingh and Khulna where several houses collapsed and boats capsized. No heavy casualty is, however, reported from anywhere perhaps due to timely warnings issued by this department.

3. *Severe cyclonic storm of small extent of 24-25th May 1932.*—After the depression of 20th-22nd May had become unimportant, a well-marked trough of low pressure lay off the Malabar Konkan coast on the 23rd morning; strong monsoon prevailed in the southeast Arabian Sea, where pressure had again begun falling. Trivandrum, Minicoy and Amini Devi had 3″ of rain each on the 23rd. On the 24th morning, pressure was observed to have undergone a rapid fall on the Malabar coast, the fall being 0·15″ at Mangalore since the previous evening. The wind directions and force recorded at Amini Devi (NW-6) and by *S. S.* "*Warora*" off the coast near Lat. 11½°N and Long. 75½°E (S-8) and *S. S.* "*Alipore*" off Mangalore near Lat. 13°N and Long. 74½°E (SE-4) at 8 hours on the 24th, indicated that a cyclonic circulation had set up and a depression formed with centre near Lat. 11°N and Long. 74½°E. The barometric depth at the centre at that time was at least 0·3″ so far as can be judged from ships as well as coast observations.

During the course of that day, the depression seems to have intensified into a storm which was later in the night of severe intensity as indicated by the logs of *S. S.* "*Jalaputra*" at anchor at Calicut, *S. S.* "*Conte Rosso*" bound for Bombay from Colombo and of *S. S.* "*Celebes Maru*" bound for Singapore from Bombay, extracts from which are given below :—

S. S. "*Jalaputra*" *at anchor at Calicut.*

Day.	Hour.	Barometer.	Wind. Dir.	Wind. Force.	Sea.	Swell.	Weather Remarks.
		″					
24th May . . .	Noon	29·63	WSW	3-4	Rough	Moderate swell short .	Squally, threatening appearance of the weather.
	4 P.M.	29·44	SSE	6	Very Rough	Moderate swell average length.	Very squally. Squalls of wind and rain.

S. S. "Jalaputra" at anchor at Calicut—contd.

Day.	Hour.	Barometer.	Wind. Dir.	Wind. Force.	Sea.	Swell.	Weather Remarks.
		"					
24th May—*contd.*	8 P.M.	29·44	S/E	8	Very Rough	Moderate swell average length.	Very squally. Heavy squalls of wind and rain.
	9 P.M.	29·40	NNE	10	..	..	Terrific squalls and continuous rain. No visibility.
	10 P.M.	29·40	N	10-12	..	..	
	11 P.M.	29·40	NW/N	10-12	..	..	
	Midnight	29·42	NNW	12	High	Moderate swell average length.	
25th May . . .	1 A.M.	29·44	N	12	Do.	..	Terrific squalls.
	2 A.M.	29·52	NW	12	Very High	..	
	3 A.M.	29·55	W	10	Do.	..	
	4 A.M.	29·60	W	10	Do.	Moderate swell long .	Gusts of wind not so heavy. Continuous rain.
	5 A.M.	29·64	W/S	9	Do.	..	
	6 A.M.	29·67	WNW	9	Do.	..	
	7 A.M.	29·72	WNW	8	High	..	
	8 A.M.	29·72	WNW	7	Do.	Moderate swell long.	Weather improving.

S. S. "Conte Rosso" from Colombo to Bombay.

Date	Hour.	Position. Lat. N.	Position. Long. E.	Wind. Dir.	Wind. Force.	Sea.	Swell.	Weather Remarks.
		° ′	° ′					
24th May . . .	17½	8 27	76 51	WSW	4	Very rough	..	Rain.
	21½	9 16	76 14	WSW	6	Do.	Moderate, short .	Generally cloudy. Squalls.
25th May . . .	1½	10 17	75 47	WSW	6	Do.	Moderate, average length.	Hail. Generally cloudy. Squalls. Weather assuming the character of cyclonic depression.
	5½	17 11	75 16	W	6	Do.	Moderate, long. .	Wet air without rain falling.
	6½	..	..	W	8	High	..	Ugly threatening sky. Thunderstorm rain.
	7½	..	..	W	9	Do.	..	
	9½	12 00	74 40	WNW	8	Do.	Moderate, long .	Squalls. Rain. Unusual visibility.
	13½	13 02	74 17	WNW	4	Moderate	Do. .	Generally cloudy.

S. S. "Celebes Maru" from Bombay to Singapore.

Date.	Hour.	Position. Lat. N.	Position. Long. E.	Wind. Dir.	Wind. Force.	Sea.	Swell.	Weather Remarks.
		° ′	° ′					
24th May . . .	Noon	9 56	75 47	WSW	6	Moderate	..	Generally cloudy. Squalls. Continuous rain.
	4 P.M.	..	..	SW	8	High	..	Generally cloudy. Rain.
	8 P.M.	..	..	WSW	10	Do.	..	Generally cloudy. Heavy rain.
	Midnight	..	..	W	10	Do.	..	Do

S. S. "Celebes Maru" from Bombay to Singapore—contd.

Date.	Hour.	Position.		Wind.		Sea.	Swell.	Weather Remarks.
		Lat. N.	Long. E.	Dir.	Force.			
		° ′	° ′					
25th May . . .	1 A.M.	..	..	W	10	..	..	
	2 A.M.	..	..	W	11	..	..	
	3 A.M.	..	..	W	10	..	..	
	4 A.M.	..	..	WNW	8	High	..	Overcast sky.
	8 A.M.	11 01	75 01	WNW	8	Do.	..	Overcast sky. Continuous rain.

S. S. "Conte Rosso" experienced strong W-ly to WSW-ly gale with heavy rain, thunderstorm and very rough sea for about 4 hours after midnight of 24th. *S. S. "Celebes Maru"* had also experienced W-ly to WSW-ly winds and high sea between 8 P.M. on the 24th and 4 A.M. on the 25th. The series of valuable observations taken by the captain of *S. S. "Jalaputra"* indicate that the cyclone had an inner area of hurricane winds ; the diameter of the inner hurricane region appears to be roughly about 50 miles so that the storm was one of small extent. The lowest barometer reading was recorded between 9 and 11 P.M. of the 24th and this can be taken to be the time of the passage of the centre of the cyclonic vortex inland. The shifts in wind direction show that the centre of the storm passed inland to the south of Calicut. Calicut recorded 11″ of rain on the 24th. The 8 hours chart of the 25th showed that by that time the cyclonic circulation had broken up completely although negative pressure departure was still persisting over Mysore. Apparently therefore the storm broke up rapidly after passing inland. The strong gales experienced in the early morning of the 25th were due to strong monsoon which was prevailing to the southeast of the storm. The observer at Calicut could not take observations due to very bad weather, but from the general report supplied by him it appears that the centre of the cyclone had apparently passed inland shortly before midnight. The changes in pressure experienced by *S. S. "Jalaputra"* indicate that the depth of the cyclone at the time of passage of its centre inland was not less than 0·4″. It is not possible to say whether the cyclone had a calm centre or not.

The following report of the observer at Mangalore is of interest :—

"*24th May 1932.*—Between 1 A.M. to 5 A.M. there was no rain but wind was strong followed by squally weather. Sky completely overcast with Nimbus. Slight rain between 5 to 5-30 A.M. Between 5-30 to 11 A.M. the nature of the weather seemed to be improving as the wind subsided and sky began to clear, but after 11 A.M. dark clouds prevailed all over and wind changed from east, and strong breeze began to blow from northwest followed by occasional light squalls. Weather became worse with the progress of the day. Occasional flashes of lightning could be seen but thunder could not be heard. After 9 P.M. moderate to fresh gale began to blow followed with slight rain at intervals.

25th May 1932.—After 1-45 A.M. weather became extremely rough, wind and rain increased in force and between 2-40 to 3-50 A.M. the wind increased to storm force. Between 3-50 to 4 A.M. there was lull in the weather during which time there was no rain and wind. Sky remained overcast. Immediately after the lull strong gale followed by heavy rain began to blow from northwest and continued till 2 P.M. Occasional severe thunderstorm heard between 10 A.M. to 11 A.M. At 2 P.M. wind and rain stopped suddenly but day remained gloomy and the sky overcast throughout".

The strong northwesterly gales at Mangalore during the 24th-25th night is probably typical of the rainsqualls experienced at the time of the first burst of the southwest monsoon on this coast and associated with vigorous monsoon which prevailed, as already mentioned, to the southeast of the storm. The 10 minutes lull mentioned by the observer probably marks the interval between two periods of heavy rainsqualls. Strong gales continued to blow along and near the Malabar coast for almost the whole day on the 25th. Strong winds and rain near Calicut did considerable damage to railways and telegraph lines and to property in that area ; newspapers report that about sixteen deaths were caused.

4. *Storm of 18th-21st September 1932.*—With a marked strengthening of the monsoon in the south Bay of Bengal, conditions became unsettled off the Orissa-Circars coast in the North Bay on the 13th. These unsettled conditions persisted till the 17th when pressure began to fall in the north Bay. By the morning of the 18th, the unsettled conditions concentrated into a shallow depression with centre within a degree of Lat. 19°N, Long. 89°E. In the afternoon the upper air observations showed that cyclonic circulation extended in the upper air at least up to 2·5 Km.

Moving slowly in a northwesterly direction the depression intensified further and was centred on the morning of the 19th near Lat. 19½°N, Long. 88½°E as will be seen from ships' observations noted below :—

Date.	Steamer.	Hour.	Position. Lat. N.	Position. Long. E.	Wind. Dir.	Wind. Force.	Sea.	Weather Remarks.
			° ′	° ′				
19th September .	"Holywell" . .	8	18 5	88 2	WNW	2	Moderate sea. Low swell.	Rain. Squall.
	"Halimara" .	6½	20 3	88 8	E	3	Smooth sea. Swell moderate.	Rain.
	"Nalgora" . .	6½	18 1	86 9	NW	4	Slight sea. Swell moderate.	
	"Cranfield" . .	6½	18 1	86 6	NNW	5	Moderate sea.	
	"Edavana" . .	9½	17 5	88 7	SW	4		
	"Chilka" . .	6½	17 7	89 0	SW	3	Sea slight. Swell moderate.	Heavy rain.
		8½	17 3	89 5	SSW	4	..	Continuous rain-squall.
	"Ellenga" . .	6½	19 0	90 5	S	5	Moderate sea.	
	"Karagola" . .	6½	18 5	91 1	SSW	3	Sea slight. Swell low.	
	"Suisang" . .	6½	20 1	88 5	E	3	Sea slight. Moderate swell.	Rain.
	"Umrona" . .	8	14 1	87 5	SW	5	..	

By the afternoon the depression had become fairly deep and was still intensifying. The following ships, an extract from whose logs is given below, reported high winds and rainsqualls in the afternoon.

Date.	Steamer.	Hour.	Position. Lat. N.	Position. Long. E.	Wind. Dir.	Wind. Force.	Sea.	Weather Remarks.
			° ′	° ′				
19th September .	"Edavana" . .	15½	18 1	87 6	NNW	6	Moderate sea. Heavy swell.	Continuous drizzle.
		17½	18 0	87 3	NW	7	Sea Rough. Swell heavy.	Continuous heavy rain.
	"Cranfield" . .	15½	19 0	87 0	NNW	7	Sea rough. Swell moderate.	Rain.
		17½	19 5	87 5	NNW	7	Sea rough. Swell moderate.	Rain. Squall.
	"Nalgora" . .	15½	19 1	87 4	N	6	Sea rough.	Rain. Squall.
		17	19 2	87 5	N	5	Sea rough. Swell moderate.	Rain.

The above table shows that the depression was intensifying rapidly and was of small extent.

By the morning of the 20th, it intensified into a moderate storm, centred at 8 hours about 75 miles south of the Sandheads. At this stage the pressure departure near its centre was at least ·035″.

The storm then took a northnorthwesterly course intensifying further at the same time. Almost all the stations along south Bengal and Orissa coast reported squalls and rain on the afternoon of the 20th. The Port Officer, Chandbali reported: "This depression was the severest I have noticed since my being at Chandbali". On the afternoon of the 20th a severe squall from northeast passed over that port with velocity of gusts reaching gale force. The wind at 1 Km. over Calcutta was of force 10 from an easterly direction on the same afternoon.

The storm was centred about 30 miles south of Saugor Island at midnight of the 20th. Early next morning it crossed coast near Saugor Island and began to weaken. It travelled across the country as a deep depression in a

northwesterly direction and lay over the west Central Provinces near Saugor on the 23rd. In the course of the next 24 hours the depression curved northwards and moved to the United Provinces; it dissipated near the Punjab Kumaon hills by the 26th (the intermediate positions are given in the map showing the track of the depression.)

The storm caused locally heavy rain in Orissa and Chota Nagpur on the 21st, in and around the northern division of the Central Provinces on the 22nd, in the west Central Provinces and in the catchments of the Jumna and the Ganges on the 24th and 25th. Some of the noteworthy falls of 5″ and above are given in the following table :—

Station.	Amount of rainfall.	Date.
	″	
Bhopal	5	23rd.
Pachmarhi	14	Do.
Bhopal	7	24th
Mainpuri	6	Do.
Roorkee	7	25th

5. *Deep Depression of 7th-13th June 1932.*—With the strengthening of the Bay monsoon off Tenasserim, an appreciable fall of pressure occurred over north Andaman sea and Pegu on the morning of the 4th. At the same time markedly unsettled conditions appeared over the region extending from north Andaman sea to the east Central Bay as seen from the reports of the following ships :—

TABLE I.

Steamer.	Hour.	Position.		Wind.		Remarks.
		Lat. N.	Long. E.	Dir.	Force.	
		° ′	° ′			
"Chakla" . .	7	16 30	93 30	NW	7	Squally; sea rough.
"Kutsang" .	10½	16 0	93 0	WSW	5	Rain.

The fall in pressure continued along the Arakan coast and by the 6th morning the unsettled conditions were moving in a northwesterly direction and had become more pronounced. This is supported by the following observations from ships.

TABLE II.

Date.	Steamer.	Hour.	Position.		Wind.		Remarks.
			Lat. N.	Long. E.	Dir.	Force.	
			° ′	° ′			
6th June	"Yuensang" .	8	19 13	89 22	WSW	4	Overcast, Squally, Dr. or fine rain.
Do.		6½	19 0	89 30	WSW	4	Squally weather (shower, Squall, hail).
Do.	"Takliwa" .	5½	19 6	90 12	WSW	3	Squally weather (m. o.).
		11½	19 36	89 54	WNW	4	Do.

By the 6th afternoon the unsettled conditions intensified into a shallow depression with central region near Lat. 20°N, Long. 90°E. During the course of next 36 hours it developed into a well-marked depression centred near Lat. 20½°N, Long. 89½°E. The following observations of ships and coastal stations indicate the conditions on the 8th morning.

TABLE III.

Steamer or Station.	Hour.	Position.		Wind.		Remarks.
		Lat. N.	Long. E.	Dir.	Force.	
		° ′	° ′			
Sandheads . .	8	..	..	N	3	General bad weather. Rain. Wind increasing with frequent light squalls.
"Nuddea" . .	5½	20 12	88 48	W	6	Signs that tropical storm has formed (Rain).
"Cranfield" .	5½	20 42	88 00	WSW	8	Overcast. (Rain).
"Angora" . .	6½	20 06	89 06	SW	4	Continuous heavy rain (Dr.).
"Chantala" .	7	21 30	91 30	SE	7	Suspicious.
Barisal . .	8	..	..	ESE	2	Haze. (Rain).

The upper air observations suggest that the cyclonic circulation over the Bay had extended up to 4 km. height on the 8th morning.

Moving very slowly in a northwesterly direction the depression became fairly deep by the 9th morning (the pressure departure at the centre being of the order of ¼″). At that time it lay centred about 100 miles southeast of Calcutta. It kept moving very slowly in the same direction and on the 10th morning its centre was about 50 miles southeast of Calcutta. The depression persisted over the head of the Bay till the 12th without showing any marked signs of weakening or movement. Thereafter it merged into the seasonal trough of low pressure over the Gangetic plain and became unimportant.

The depression was responsible for an extension of the Bay monsoon into east Bengal and Assam on the 8th and for very heavy rain along the Chittagong Arakan coast on the 10th, 11th and 12th. Some of the noteworthy falls of 5″ and above are given below :—

TABLE IV.

Station.	10th.	11th.	12th.	13th.
	″	″	″	″
Nakipur . . .	6	..	..	..
Rampal . . .	..	..	5	..
Morrelganj . . .	..	..	..	6
Hoogly . . .	..	7	..	..
Patuakhali . . .	6	..	..	..
Cox's Bazar (observatory)	..	..	5	5

TABLE IV—*contd.*

Station.	10th.	11th.	12th.	13th.
	"	"	"	"
Chittagong (observatory)	..	..	..	10
Kutubdia	..	..	6	..
Satkania	..	..	..	8
Harishpur	..	..	..	7
Hatjya	..	..	..	6
Rangmati	..	..	..	8
Bandarban	..	..	..	7
Barkal	..	..	..	6
Mahalchari	..	..	..	6
Lama	..	..	..	8
Mainmukh	..	..	..	7
Kaptai	..	..	..	12
Nakhyongchhari	..	..	6	5
Menoka	..	..	..	6
Dullabcheria	..	..	..	8
Samanbagh	..	..	..	12
Aijal	..	..	..	5
Sialauk	..	..	..	7
Champhai	..	..	..	7
Lungleh	..	..	..	14
Sherkawn	..	..	..	12
Demagiri	..	..	11	..
Akyab (observatory)	..	11	5	..
Maungdaw	..	6	5	..
Buthidaung	..	6	..	..

TABLE IV—*concld.*

Station.	10th.	11th.	12th.	13th.
	"	"	"	"
Kyauktaw	..	..	8	7
Ponnagyun	6	5	..	..
Myohaung	..	..	7	..
Pauktaw	7	..	..	..

6. *Movement of a low pressure wave from the southeast Arabian Sea to Baluchistan, along the west coast of the Peninsula and through Kathiawar and lower Sind, between the 2nd and 13th July 1932.*—The Arabian Sea monsoon, which had weakened over its field of activity at the end of June, began to strengthen off Malabar in the beginning of July, both Minicoy and Amini Devi having 2" of rain each on the 1st. On the 2nd morning, considerable fall in pressure was noticeable in the neighbourhood of the Laccadives and in the south of the Peninsula; and a well-marked low pressure area appeared off Malabar on the 3rd morning when moderate to strong W to SW winds with squally weather and rough seas were reported by ships from the southeast Arabian Sea. By this time, the monsoon had also extended into the Peninsula. Upper winds at Mangalore, which were from NW (force 2—4) up to 2 Km. on the 2nd morning, had backed and were blowing from a southerly direction up to that height on the 3rd afternoon. The low pressure area moved northwards, causing widespread rain in the west of the Peninsula with locally heavy falls along the west coast; on the 6th morning, it lay off the Konkan-Kathiawar coast, where it remained practically stationary till the 8th. During this period, an extension of strong monsoon also occurred in Gujarat and the centre of the country. The low pressure area had somewhat strengthened, and lay to the west of Kathiawar on the 10th morning when SW-ly winds reaching force 10 accompanied with occasional heavy rainsqualls were reported by ships off the Konkan-Kanara coast. During that day, a rapid fall of pressure occurred over north Kathiawar and Cutch so that on the 11th morning, the low pressure area moved over there, its central region having developed by then a closed circulation of winds round it. The low pressure area lay over Cutch on the 12th morning and in the course of the next 24 hours, it moved further northwards and merged in the seasonal low over northwest India after causing locally very heavy thunderstorm rain in Sind; Karachi had 6" of rain on the 12th. The movement of this low pressure area into northwest India was also responsible for an extension of monsoon there between the 6th and 9th, locally heavy rain occurring in Gujarat between the 6th and 15th and in Sind on the 12th.

7. *Depression of 9th-11th July 1933.*—On the 6th morning there appeared an area of negative pressure departures extending from north Andaman Sea to east Central Bay. During the next 24 hours pressure fell further in the central Bay and the area of negative departures became more accentuated. Conditions became markedly unsettled off the Orissa Ganjam coast by the morning of the 8th July when a shallow trough of low pressure extended from west Central Bay to the Orissa Circars coast.

Pressure continued to fall over the northwest of the Bay by the 9th morning; a depression had formed off the Orissa Ganjam coast with centre near Lat. 18½°N, Long. 87°E. Upper air observations suggest that on that date the cyclonic circulation extended up to about 4 Km. above sea level. During the course of the day the depression remained practically stationary but slowly intensified as will be seen from the extracts from the logs of the following ships :—

Date.	Steamer.	Hour.	Position. Lat. N.	Position. Long. E.	Wind. Dir.	Wind. Force.	Sea.	Swell.	Weather remarks.
			° ′	° ′					
9th July	"Hatimaru"	8	14 7	81 8	SW	5	Moderate	Moderate (SSW).	
		20	..	..	SW/W	6	Rough	Heavy (SW).	
10th	..	1½	..	..	WSW	6	Moderate	Low.	
		6½	17 1	84 3	WSW	7	Rough	Heavy.	
		8	16 5	84 3	SW/W	6	Moderate	Moderate (SW).	
		16½	17 7	85 3	WSW	7	Very rough	Heavy.	
		21½	18 3	85 9	SW	6	Rough	Heavy.	
11th	..	2½	18 7	86 2	WSW	6	Rough	Heavy.	
		9½	19 6	87 1	WSW	5	Rough	Heavy.	
9th	"Binfield"	18	16 6	85 5	WSW	7	Rough	Moderate.	
		19	17 5	85 5	WSW	7	Moderate	Heavy.	
10th	..	7	18 5	87 5	SW	6 or 7	Rough	Conspicuous	Squally.
		19	20 5	89 5	SW	5	Moderate	Heavy	Squally.

By the early morning of the 10th, the depression began to move slowly northwestwards. It was centred at 11 hours about 70 miles east of Puri. It then began to weaken while moving in the same direction, and by the afternoon of the 11th its centre passed inland between Balasore and Saugor Island. The depression lay over Orissa and the adjoining districts of the east Central Provinces on the 13th. It moved to the west Central Provinces in the course of the next 2 days, and weakening thereafter filled up near Jhansi (west U. P.) by the 17th morning.

The depression caused a strengthening of the monsoon in Orissa, the Central Provinces and west Central India between the 7th and 17th and gave locally heavy rain in south Bengal, Orissa and the Central Provinces between 11th and 13th. It is reported that a country boat capsized in the river Dholeshwari near village Elasin on the 13th night during a sudden squall.

Some noteworthy falls of 5″ and above are given below :—

Station.	July 1932. 11th	July 1932. 12th
Bihar and Orissa.	″	″
Champua	5	..
Rairangpur	..	7
Bengal.		
Morrelganj	9	..

8. *Deep depression of 18th-21st July 1932.*—With the passage of a low pressure wave from the east across Burma into the Bay on the 16th afternoon, markedly unsettled conditions appeared at the head of the Bay. The following observations from ships and coastal stations on the 17th morning indicated that a cyclonic circulation was setting up over the north Bay with centre within a degree of Lat. 20°N, Long. 90°E.

Date.	Steamer.	Hour.	Position. Lat. N.	Position. Long. E.	Wind. Dir.	Wind. Force.	Sea.	Weather Remarks.
			° ′	° ′				
17th July	"Penang Maru"	8	19 6	90 0	WSW	5	Sea rough	Rain.
	"Suisang"	6½	19 36	89 12	WNW	4	Sea slight, moderate swell	Slight or moderate drizzle and rain.

Date.	Steamer or Station.	Hour.	Position.		Wind.		Sea.	Weather Remarks.
			Lat. N.	Long. E.	Dir.	Force.		
			° ′	° ′				
	" Badarpur " .	8	19 30	89 50	SW	3	Sea slight, no swell .	Rain.
	" Burma Maru " .	8	18 17	91 33	SW	6	Sea rough . . .	Rain.
	" Narbada " . .	6½	16 3	91 9	WSW	9	Sea very rough, swell heavy.	Squally.
		8	16 20	91 48	WSW	8	Sea rough . . .	Squally.
	" James " . .	6½	20 30	88 42	NE	3	Sea slight, swell low .	Cloudy, rain.
	Sandheads . .	8	..	..	NE	3	Sea slight, swell low.	
	" Chilka " . .	7	20 30	86 30	NW	1, 2, or 3	Sea smooth or slight, swell moderate.	
		8	20 02	86 46	NW	3	Sea slight . . .	Rain.
	Chandbali . .	8	..	..	NW	1	....	

The upper winds suggested that the cyclonic circulation extended to a height of 2·5 Km. Pressure continued to fall and by the 18th morning the unsettled conditions developed into a shallow depression centred near Lat. 19½°N, Long. 89°E. The monsoon was also strengthening off the Burma coast at the same time, as will be seen from the following observations from ships :—

Date.	Steamer or Station.	Hour.	Position.		Wind.		Sea.	Weather Remarks.
			Lat. N.	Long. E.	Dir.	Force.		
			° ′	° ′				
18th July . . .	" Pasha " . .	8	17 0	84 0	W	8	Sea high . . .	Squally.
	" Cocanada " .	7	16 30	90 30	WSW	6 or 7	Sea rough, swell conspicuous.	Squally.
		8	16 10	90 59	WSW	10	Sea very rough, swell heavy, and direction WSW.	Rain.
	" Suisang " . .	6½	16 12	91 42	WSW	8	Sea very rough, swell heavy.	Squally weather, shower.
	" Daleroy " . .	8	16 13	91 54	W	6 or 7	Sea high, swell heavy, and direction W.	Cloudy.
	" Cranfield " . .	6½	16 30	93 12	WSW	7	Sea rough, swell heavy .	Rain.
		8½	16 30	93 12	WSW	7	Sea rough, swell heavy .	Squally, rain.
	Diamond Island .	8	..	..	WSW	7	Sea rough, swell moderate.	
	" Quiloa " . .	7	15 30	82 30	W	6 or 7	Sea rough, swell inconspicuous.	

By the evening of the 18th the depression deepened and began to move northwestwards. It lay centred near Lat. 20°N, Long. 88°E (to the south of the Sandheads) on the 19th morning. It persisted there for a day without intensifying. It then took up a more northerly course and lay near the Sandheads on 20th afternoon. Moving further in a northwesterly direction it lay between Chandbali and Saugor Island on the early morning of the 21st. By midday it crossed the Orissa coast and began to weaken. It lay near Pendra on the 22nd, and moving still northwestwards it was centred near Sutna next morning and became unimportant during the course of that day.

This depression was responsible for locally heavy rain from southwest Bengal and Orissa to Gujarat. Some of the noteworthy falls of 5″ and above in Bihar and Orissa are given below :—

Station.	July 1932.	
	20th.	21st.
Bihar and Orissa.	″	″
Binka	4·85	..
Bhowanipatna	..	7
Sonepur	..	7

9. Depression of 24th-25th July 1932.—A low pressure wave from the east, presumably associated with a typhoon in the China seas, passed across Burma and entered the Bay of Bengal on the 23rd morning when unsettled conditions appeared in the North Bay. In the afternoon pressure was falling rapidly over Burma, and the reports from the following ships were found to be significant :—

Date.	Steamer.	Hour.	Position.		Wind.		Sea.	Swell.	Weather Remarks.
			Lat. N.	Long. E.	Dir.	Force.			
			° ′	° ′					
23rd July	"Ellenga"	6½	20 0	89 2	SSW	6	Rough	Moderate	Squally, shower.
	"Aronda"	6½	18 5	90 9	ESE	4	Slight	Moderate	Shower.
	"Ellenga"	17½	18 7	90 5	W	7	Rough	Moderate	Drizzle rain.

The unsettled conditions intensified into a depression by the morning of the 24th with centre probably within a degree of Lat. 20°N, Long. 88°E. as will be seen from the following observations :—

Date.	Steamer or Station.	Hour.	Position.		Wind.		Sea.	Swell.	Weather Remarks.
			Lat. N.	Long. E.	Dir.	Force.			
			° ′	° ′					
24th July	"Arankola"	6½	18·8	90·9	SSW	6	Moderate	Moderate.	
	"Juna"	7	18·5	91·5	SW	7	Moderate	Moderate.	
	"Jalapalaka"	6½	20·0	87·0	WNW	3	Moderate	Moderate.	
		9½	19·8	85·8	WNW	5	Rough	Moderate.	
	Chandbali	..	..	..	NNW	2	....	....	Rain.
	Sandheads	..	..	..	E	3	Slight	Moderate	Shower.

These observations show also that the monsoon was vigorous to the south of the depression. The upper air data indicated that a cyclonic circulation extended at least to a height of about 3 Km. Moving rapidly northwestwards and intensifying at the same time the depression became fairly deep by the afternoon of the 24th. Early next morning it crossed the Orissa coast midway between Puri and Chandbali. At 8 hrs. on the 25th morning it lay over Orissa (north of Angul) where it filled up in the course of that day.

The depression caused heavy rain in southwest Bengal, Orissa, the Central Provinces, Central India and Gujarat. Some of the noteworthy falls of 5″ and above are given in the table below :—

Station.	July 1932.		
	24th.	25th.	26th.
Bihar and Orissa.	″	″	″
Binka	9	7	..
Kakatpur	6	..	..

Station.	July 1932.		
	24th.	25th.	26th.
	"	"	"
Sonepur	..	5	..
Angul	..	10	..
Bissipara	..	8	..
Tikarpora	..	8	..
Jarpora	..	5	..
Phiringia	..	5	..
Bolangir	..	6	..
Hindol	..	7	..
Band	..	6	..
Puri	..	6	..
Pipli	..	6	..
Bengal.			
Ramgarh	..	..	6

10. *Land Depression of 30th July to 1st August 1932.*—On the morning of the 27th pressure began to fall rapidly over Burma. During the westward passage of the low pressure wave weather became unsettled in the North Bay. The marked strengthening of southwesterly winds at the Sandheads and Saugor Island (force 6 and 8 respectively at 8 hrs.) on the morning of the 29th considered along with the upper winds suggested that conditions were favourable for the formation of a depression over west Bengal.

By the 30th morning a shallow depression had formed over west Bengal. It moved westwards, lay over Chota Nagpur the next day and filled up over the east United Provinces on the 1st August.

The depression caused locally heavy rain in southwest Bengal, Bihar and Orissa.

11. *Shallow Depression of 8th-9th August 1932.*—The seasonal trough of low pressure over the Gangetic plain extended well into the northwest of the Bay of Bengal after the 4th August. Between 5th and 6th pressure had fallen appreciably over Chota Nagpur. Reports of continuous heavy rain and rainsqualls from *S.S. Haresfield, S.S. Kuensang, S.S. Warora* and *S.S. Erinpura* on the 6th morning showed that the monsoon was strengthening in the North and Central Bay. No appreciable change in the weather situation was however noticeable during the next 24 hours, but by the morning of the 8th pressure fell rapidly in the extreme north of the Bay and markedly unsettled conditions developed to the south of the Sandheads. During the course of that day the unsettled conditions intensified into a shallow depression with centre probably near Lat. 20°N, Long. 88°E. The depression took a northwesterly course and passed inland and lay over Chota Nagpur on the 9th morning, after which it weakened and filled up.

12. *Depression of 2nd-3rd September 1932.*—With a strengthening of the monsoon in Malabar and the south Bay on the 31st August, markedly unsettled conditions appeared in the West Central Bay off the Ganjam-Circars coast on the morning of the 1st September, when pressure began to fall along the north Madras and Orissa-Ganjam coasts. The same morning it was also noticed that a cyclonic circulation had set up almost up to 3 km. height.

By the next morning a depression had formed in the Bay with its central region near latitude 19°, longitude 87°. This is confirmed by the following observations of ships and other coastal stations :—

Date.	Steamer or Station.	Hour.	Position.		Wind.		Sea.	Weather Remarks.
			Lat. N.	Long. E.	Dir.	Force.		
			°	°				
2nd Sept.	"Nirvana"	8	17·2	86·8	WSW	5	Sea moderate. Swell moderate.	Rain.
	"Nurbada"	6½	18·0	86·8	WSW	4	Moderate sea. Moderate swell.	Rain.
	"Kumsang"	6½	16·8	91·3	SW	3	Sea slight. Swell low.	
		8	19·2	89·3	SSE	4	Sea rough. Swell moderate.	
	"Ahita Maru"	8	20·5	88·4	SSE	4	Moderate sea. Swell low.	
	Sandheads	8	..	..	E	2	Slight sea.	
	Puri	8	..	..	NNE	3	Slight sea.	
	Gopalpur	8	..	..	NNW	4	Slight sea.	
	Chandbali	8	..	..	NE	1	....	

The following is an extract from the logs of *S. S.* "*Nirvana*" which happened to be in the central region during the initial stages of the depression :—

Date.	Hour.	Position.		Wind.		Sea.	Weather Remarks.
		Lat. N.	Long. E.	Dir.	Force.		
		°	°				
1st September	7½	14·2	85·2	WNW	4	Sea moderate. Swell moderate.	Rain with squall.
	8	14·3	85·1	W	4	Sea moderate. Swell moderate.	Rain with squall.
	15½	15·7	85·5	SW	4	Sea moderate. Swell moderate.	Continuous heavy rain.
	17½	15·9	85·9	W	4	Sea moderate. Swell low.	Rain (squall).
2nd September . . .	8	17·2	86·8	WSW	5	Sea moderate. Swell moderate.	Rain.
	9½	18·1	86·8	W	4	Sea moderate. Swell moderate.	Rain.
	15½	18·5	87·3	SW	4	Sea slight. Swell moderate.	Shower.
	17½	18·9	87·5	SSW	5	Sea slight. Swell moderate.	

During the course of the day the depression intensified without showing any signs of appreciable movement. It then took a northwesterly course and was centred about 80 miles southeast of Puri on the morning of the 3rd. The depression crossed the Orissa coast near Puri by the afternoon and moved across the country in a northwesterly direction to west Central India, being centred, on the 6th, near Guna. After a day it curved northeastwards to the United Provinces where it persisted as a shallow depression till the 12th.

The depression was responsible for strong monsoon in north and central India and caused locally heavy rain along and near its track.

Some of the noteworthy falls of 5″ and above are given in the table below :—

Station.	Amount of Rainfall.	Date.
	″	
Patna	6	2nd
Bombay	7	4th
Bhopal	5	5th
Indore	5	5th
Ambala	6	6th
Guna	7	7th
Ambala	8	7th
Jhansi	5	8th
Jhansi	5	9th

13. *Storm of 19th to 22nd October 1932.*—The 17 hours weather charts of the 18th October showed a marked fall of pressure over Pegu and Tenasserim and the indications of the approach of a low pressure wave from the east were clear. During the course of the night the wave of low pressure passed into the Andaman Sea causing moderate to heavy rain along the Tenasserim coast and the 8 hours observations of the 19th (see *Table I*) showed the appearance of a concentrated area of negative pressure departure over the Andaman Sea where a depression was in the process of formation with central region within a degree of Lat. 14°N and Long. 96½° E. The upper air charts of the 19th morning also indicated that a cyclonic circulation had been established up to a height of about 4 km.

The observations from Diamond Island and Table Island taken from the monthly meteorological registers (see *Table II*) show that a depression had probably for med during the day and moved towards the region between Table Island and Diamond Island.

By midnight of the 19th the wind attained gale force at Table Island and hurricane squalls were experienced there between 4 and 6-30 hours on the 20th morning. Diamond Island had intermittent moderate squalls accompanied by thunder-rain between 0 and 3 hours of the 20th morning, while the sea was very rough and the swell heavy and short. These observations indicate that the depression had intensified into a storm, probably of small extent, by midnight of the 19th. Two motor schooners were, according to newspaper reports, wrecked off Table Island at midnight of the 19th. The centre of the storm lay within half a degree of Latitude 14½°N, Longitude 93½°E at 8 hours on the 20th. The strength of upper winds at Rangoon on that morning was 7 B. F. up to 2 km. and 10 B. F. at 3 km. The storm

took a northwesterly curve and was centred at 17 hours near Latitude 15°N, Longitude 92°E.

Table III giving the log of *S. S.* "*Golconda*" bound for Adelaide, which left Sandheads early in the morning of the 19th and on her way passed through the field of the disturbance between 14 hours of the 20th and 10 hours of the 21st, is very interesting and throws light on the nature of the disturbance. It is clear from the variation of the barometer given in *Table III* that from midnight of the 19th onwards the ship was entering more and more into the field of the disturbance until she came very close to the centre. At 21 hours of the 20th she was about 100 miles to the west of the centre. Winds of force 8 or above were continuously experienced by the ship from 17 hours of the 20th to about 2 hours of the 21st while between 20 hours and 23 hours of the 20th the wind blew with force 10 B. F. At this stage the pressure departure at the centre of the storm was probably of the order of 0·35″. The following narrative of the disturbance by the Commander of *S. S.* "*Golconda*" will be read with interest :—

"Leaving the Sandheads bound for Adelaide at 3·35 A.M. on October 19th, 1932, fine weather with a N. E. wind, force 2, was encountered with slight sea and swell until noon of the 20th, the barometer reading being 29.65″, corrd. att. thermometer 83°. From noon onwards the wind began to freshen up, accompanied by heavy rain, sea becoming rough, and barometer falling.

Weather reports received placed me 250 miles N60°W of a depression centred in 15½°N, 93½°E.

At 1 P.M. course was altered to S26W true at 3 P.M. I obtained precipitation in slight and afterwards the weather suddenly changed for the worse and again at 5-20 P.M. altered to S45°W true. At 6 P.M. the wind backed to north from northeast increasing in force, and at 7 P.M. it backed still further to NW, force 10.

At 8 P.M. the wind had reached gale force with fierce squalls high rough seas and heavy northeasterly swell, with continuous rain, the barometer having now fallen to 29·21″ corrd. att. thermometer 81°. At 9 P.M. my barometer fell to 29·14″ corrd. and the wind suddenly backed to S. W. when it attained hurricane force. At 10 P.M. the barometer rose to 29·27″ for a short while and then fell again and at midnight it stood at 29·17″ att. thermometer 77°. Between 9 P.M. and 11 P.M. I experienced a wind of hurricane force which I estimated to be about 80 miles per hour, accompanied by heavy driving rain, thunder and lightning, and about 11 P.M. a very sharp heavy shower of large hailstones fell for about 5 minutes, and it became exceedingly cold which was noticeably felt. At 1 A.M. the wind again backed to SW by S and the barometer now began to rise from then onwards, and at 5 P.M. in the morning it registered 29·56″ corrd. wind SSW and decreasing force, that by noon of the 21st the weather had moderated considerably, my barometer having risen again to 29·75″ and experiencing a southerly wind of force 3 moderate sea and swell, and the weather improved rapidly.

During the height of the storm I never encountered any calm area or any cessation in wind force between 8 P.M. and 1 A.M.

The storm continued to move rapidly in a northwesterly direction. It was centred near Latitude 16°N, Longitude 89°E at 8 hours of the 21st and by 23 hours it was about 50 miles to the east of Calingapatam. The 23 hours observations from Calingapatam, Gopalpur and Puri (see *Table IV*) showed that the pressure departure at the centre was still of the order of 0·35″ and the wind force at a distance of 50 miles in front of the centre was 8 to 9 B. F. Moving rapidly northwesterwards the storm crossed the coast near Calingapatam early in the morning of the 22nd, the pressure departure at the centre being of the order of 0·35″ and the wind force near the centre only 2 B. F. at the time of crossing the coast. The wind force at Gopalpur and Puri at the time when the storm crossed the coast was of the order of 8 B. F. These facts suggest that at the time of crossing coast the disturbance had a central calm of about 30 miles radius round which there was a belt of 50 to 60 miles width in which the wind was of force 8 to 9 B. F. This conclusion is also supported by the observations from Calingapatam, Gopalpur and Puri at 8 hours of the 22nd. According to log of *S. S.* "*Golconda*" it appears that the belt of stormy winds might have had a width of about 100 miles at 9 P. M. on the 20th. The following extracts from the reports of the Port Officers of Puri and Calingapatam are significant :—Puri—"Practically from the morning of the 21st the weather was gloomy and sultry and some bad weather was suspected and suspicion really confirmed when intimation was received from your office at 12-50 P.M., announcing approach of a deep depression from Circars coast. The force of wind gradually increased from 6 P.M. of 21st October and the fury of the wind was severely felt from 11 P.M. at 30-40 miles speed per hour resembling a strong gale with occasional sprinkling showers. The high pitch of wind was blowing the whole day of 22nd accompanied with intermittent showers and blowing sand though it was wet. People residing on the first row of sea beach rather felt the severity of the weather which kept them indoors and it was extremely difficult to walk on the road with umbrellas on, sand was hitting like pellets. Gale winds continued so till the evening of 23rd when gradually the wind moderated. It wrought no material damage to any building except thatches of few houses were blown off and small branches of trees broken"

Calingapatam—"..... In the evening of 21st October 1932, the sky became cloudy and drizzling commenced and gradually increased into rain and showers with overcast sky accompanied by strong breeze, till about one or two A.M. on 22nd October 1932. After that the rain was reduced to drizzling till about 5 or 6 A.M. and normal weather prevailed after 7 A.M., when the sun appeared on the eastern horizon.

.....although the storm crossed coast very near to this port, nothing of noteworthy has happened except some showers. There was strong breeze, no doubt, but not a single branch of any tree has been broken. The sea was not also very rough. ..... practically no damage has been done either to person or property. In my humble opinion the great danger signal No. 10 ordered to be hoisted appeared to me too much when compared to the state of the storm."

The deep depression weakened after crossing the coast and lay over Ganjam at 8 hours of the 22nd. Thereafter it took a more or less northerly course and entered Orissa whence it turned to northeast and filled up over west Bengal by the 24th night.

The disturbance caused locally heavy rain in Tenasserim on the 18th and widespread light to moderate rain on and near its track from the 21st to the 24th.

TABLE I.

Date.	Steamer or Station.	Hour.	Position. Lat. N.	Position. Long. E.	Wind. Dir.	Wind. Force.	Remarks.
			′ ″	° ″			
19th Oct. .	" Shahjehan "	8	13 35	94 30	NNW	..	Rain.
	" Jalavijaya "	5½	15 40	96 06	NNW	5	
	Amherst .	8	..	..	ENE	3	Thunder-storm.
	Tavoy . .	8	..	..	SSE	2	Dist. Lightning, (Shower), 7″ of rain during past 24 hours.
	Victoria Point	8	..	..	W	7	Thick drizzle, (Rain, Squall), 4″ of rain during past 24 hours.

TABLE II.

Date.	Hour.	Pressure reduced to S. G. and M. S. L.	Wind. Dir.	Wind. Force.	Average speed past 24 hours. (m. p. h.)	Weather Diary.
Table Island.		″				
18th Oct. .	8	29·772	S	1	5	Light air.
19th . .	8	29·683	N	2	6	From 23 P. M. to 3 A.M. storm gale and from 4 A.M. to 6-30 A.M. hurricane.
20th . .	8	29·533	S	6	15	Storm gale hurricane and very rough sea, rain and rainsquall, from thunder 14·0 to 14·5.
21st . .	8	29·775	SSE	3	15	Fresh breeze and rough sea.
22nd . .	8	29·867	S	1	16	Moderate breeze and slight sea.

Diamond Island.

Date.	Hour.	Pressure reduced to S. G. and M. S. L.	Wind. Dir.	Wind. Force.	Wind. Average Speed. (m.p.h.)	Weather Diary.
		″				
18th Oct. .	8	29·833	Calm	0	..	
	17	·706	W	2	..	
19th . .	8	·714	NW	3	5	7 to 19·30 sky mainly overcast. Intermittent thunderstorm with rain. Gentle breeze from northwestward with periods of calm.

TABLE II—*contd.*

Diamond Island—contd.

Date.	Hour.	Pressure reduced to S. G. and M. S. L.	Wind. Dir.	Wind. Force.	Wind. Average Speed. (m.p.h.)	Weather Diary.
		″				
19th—*contd.*	17	·637	NNE	5	..	19·30 to 0 hrs. strong breeze from eastward with lulls followed by moderate squalls. Thunderstorm continues.
20th . .	2	·610	ENE	6	12	Rain with squalls. Occasional moderate precipitation. Occasional vigorous squalls. (Thunderstorm).
	8	·681	ESE	8	18	0 to 3 hours sky overcast. Intermittent moderate squalls accompanied with rain. Sea very rough, swell heavy and short. 3 to 17 hours sky overcast, intermittent showers. Steady fresh to strong gale from ESE.
	11	·670	ESE	9	23	Occasional light precipitation.
	17	·682	SSE	4	..	
21st . .	2	·710	SE	7	15	Occasional light precipitation.
	8	·835	SSE	5	18	0 to 4 hours sky mainly overcast. Intermittent showers. Moderate gale from SE and sea rough. 4 to 19 hours. Sky mainly overcast. Intermittent rain showers. Breeze dropped in strength fresh to light, direction SSE. Sea rough to moderate. From 19 to 0 hours variable sky. Intermittent showers. Breeze direction varying SE to westwards.
	11	·850	SSE	4	12	Showers.
	15	·810	SE	4	12	
	17	·847	SSE	2	..	
	19	·890	WNW	2	6	
	23	·910	ESE	3	3	Occasional light precipitation.
22nd . .	2	·880	E	2	9	
	8	·930	ESE	3	8	Intermittent showers early in the morning. Gentle to light breeze, from southwestward with intermittent calm.
	11	·890	ESE	4	9	
	17	·845	SSW	2	..	

Table III.

S. S. Golconda.

Date.	Hour.	Position. Lat. N.	Position. Long. E.	Barometer.	Wind. Dir.	Wind. Force.	Remarks.
		°	°	"			
19th Oct. .	15½	19·24	89·0	..	NE	2	Slight sea, swell low.
	17½	18·48	89·0	..	NE	2	Slight sea.
	24	18·00	89.02	29·71	NE	2	Light breeze, slight sea. Fine and cloudy.
20th .	2	17·48	89·15	·68	NE	2	
	4	17·32	89·20	·64	NNE	2	Light breeze, Slight sea and swell, Fine, Clear and Cloudy.
	6	17·16	89·26	·65	N/E	3	
	6½	9·30	91·42	..	SSW	5	Rough sea, swell moderate, Rain, Squall.
	8	16·52	89·35	·69	NE	3	Dull overcast. Cloudy. Slight sea and swell.
	10	16·32	89·40	·70	NE	3	
	12	16·28	89·43	·65	NE	5	Barometer falling. Wind began to freshen (250 miles N 60° W of a depression at 15½° N 93° E), continuous rain. Dull. 12·30 heavy rain. Moderate sea, slight swell, overcast.
	14	16·12	89·43	·58	N/E	5	Estimated storm centre bearing S 51° E. Distant 100 miles. 1·30 speed increased.
	16	15·56	89·43	·50	N	5	Fresh breeze, rough sea and moderate swell overcast, heavy rain, vessel rolling.
	17	15·48	89·43	·41	NNE	..	
	17½	15·40	89·40	..	N	9	Very high sea, heavy swell, rain, squall.
	18	15·40	89·43	·34	N	9	Fierce squalls, wind backed to N from NE increasing in force.
	19	15·32	89·43	·32	NW	9	Fierce squalls, wind backed to NW from N (force 10).
	20	15·24	89·42	·23	NW	10	Whole gale, fierce squalls, Barometer fell to 29·21, continuous rain.
	20	15·24	89·42	29·23	NW	10	Whole gale fierce squalls, Barometer fell to 29·21, continuous rain, vessel labouring, high sea, heavy swell (NE).

Table III—*contd.*

S. S. Golconda—contd.

Date.	Hour.	Position. Lat. N.	Position. Long. E.	Barometer.	Wind. Dir.	Wind. Force.	Remarks.
		°	°	"			
20th . .	21	15·16	89·42	..	NW	10	Fierce squalls and rain and high sea and swell. Barometer fell to 29·14.
	22	15·08	89·42	·29	SW	10	Fierce squalls and rain (heavy), high sea and swell. Barometer rose to 29·27 and then fell again from 21 hours with rain and thunder and lightning and showers of large hailstones at 23 hours for 5 minutes.
	23	15·00	89·42	..	SW	10	Fierce squalls and heavy rain, high sea and swell wind force 80 m.p.h. Barometer fell to 29·17.
	24	14·51	89·42	·29	SW	9	Whole gale, continuous rain with fierce squalls, vessel labouring and shipping heavy water over all.
21st . .	1	14·43	89·42	·40	SW/S	9	Fierce squalls, heavy rain, wind backed to SW/S. Barometer began to rise.
	2	14·35	89·42	·45	SW/S	8	Ditto.
	4	14·19	89·41	·50	S/W	7	Moderate gale, heavy rain, fierce squalls, high sea, heavy swell (SW).
	5	14·11	89·41	·57	SSW	6	
	6	14·03	89·41	·63	SSW	6	
	8	13·47	89·41	·71	SW/S	5	Rough sea and heavy swell, frequent fierce squalls of wind and rain and stormy wind.
	10	13·31	89·41	·76	SW/S	5	
	12	13·14	89·40	·76	S	3	Weather gradually moderated, Gentle breeze, occasional rain, moderate sea and swell, dull and overcast.

TABLE IV.

Station.	Date.	Hour.	Pressure.		Wind.		Weather Remarks.	
			Change.	Departure.	Dir.	Force.	Present.	Past.
			"	"				
Calingapatam . . .	21st Oct. .	19	—·077	—·197	WNW	3	Intermittent slight drizzle.	Drizzle.
Gopalpur	Do. .	19	—·077	—·157	NNE	7	Ditto . .	Shower.
Puri	Do. .	19	—·037	—·137	ENE	6	Squall	(Shower, squall).
Calingapatam . . .	Do. .	23	—·196	—·316	WNW	7	Rain squall . . .	Shower, squall.
Gopalpur	Do. .	23	—·146	—·226	NNE	8	Haze 4 . . .	Showers.
Puri	Do. .	23	—·066	—·166	ESE	8	Heavy squall 3 . .	Vigorous squall.
Calingapatam . . .	22nd Oct. .	2	—·191	—·311	WSW	9	Very heavy continued precipitation.	Thunderstorm.
Gopalpur	Do. .	2	—·171	—·251	SSW	8	Intermittent slight drizzles.	Shower.
Puri	Do. .	2	—·041	—·141	SSE	8	Heavy squall . .	Sand-storm.
Calingapatam . . .	Do. .	5	—·024	—·144	WSW	2	Rain 3 . . .	Light continuous rain.
Gopalpur	Do. .	5	—·134	—·214	SSE	8	Intermittent light drizzle.	Shower.
Puri	Do. .	5	—·044	—·144	SSE	8	Heavy squall. . .	Vigorous squall.
Calingapatam . . .	Do. .	8	—·060	—·190	WSW	4	....	Thunderstorm.
Gopalpur . . .	Do. .	8	—·090	—·180	SSE	8	Drizzle . . .	Shower.
Puri	Do. .	8	—·030	—·130	SSE	6	Squall 3 . . .	Shower.

14. *Arabian Sea storm of 14th to 22nd October 1932.*—The activity of thunderstorms increased in the neighbourhood of south Madras on the 7th and 3″ of rain was recorded at Mangalore and 4″ at Calicut on the 8th morning. A fall of pressure was noticeable along and off Malabar on the 9th morning when Colombo recorded 3″ of rain; this station received another 5″ of rain by 8 hrs. on the 10th. During this day, the fall of pressure was accentuated by the westward movement of another wave of low pressure associated with unsettled conditions from the southwest Bay of Bengal and a low pressure area formed in the southeast Arabian Sea off Malabar. On the afternoon of the 10th, the upper winds at Colombo were W to SW upto 2 Km. (light upto 1 Km. and moderate to strong at 2 Km.) while those at Trivandrum, which were light N to NE-ly upto 2 Km. on the 10th morning, had veered by the 11th morning to light S-ly winds. Mangalore upper winds on the 11th morning were mainly E-ly and force 5-6. Widespread and locally heavy falls of rain occurred in south Madras during the 10th and 11th and signs of a closed circulation setting up round the central region of the low pressure off Malabar were noticeable on the 12th morning. Thereafter, Mangalore upper winds began to veer and became light to moderate SE-ly upto 2·5 Km. and SW-ly (force 4-6) at 4 and 6 Km. on the 13th afternoon. By this time, a depression had formed which was centred near Lat. 11°N and Long. 74°E on the 14th morning.

The depression began to move slowly northwestwards and the central region may be located successively near Lat. 13½°N and Long. 72½°E on the 15th morning and about Lat. 15°N and Long. 70°E on the next morning; the exact position of the centre is somewhat uncertain as observations are lacking from near the central region of the depression. Thereafter the depression appears to have moved westwards. The exact position of the centre on the 17th morning is also somewhat uncertain as no observations are available from its neighbourhood, but it appears probable that at that time the central region lay in the neighbourhood of Lat. 15°N and Long. 69°E. By the 18th morning, the depression had moved further westwards and lay near Lat. 15°N and Long. 67°E. The weather experienced by *S.S.* '*Rawalpindi*' (18th noon position Lat. 15°33′ and Long. 59°18′) and by

S. S. '*Clan Mathesan*' on the 18th, both bound from Aden to Bombay, indicates that the depression was intensifying during this day. An extract from the log of *S. S.* '*Clan Mathesan*' is given below :—

Date.	Hour.	Position.		Wind.		Sea.	Swell.	Remarks.
		Lat. N.	Long. E.	Dir.	Force.			
		°	°					
18th October . . .	Noon	15·42	59·17	N	4	Slight to moderate.	From N . . .	Generally cloudy.
	4 P.M.	..	..	N	4	Moderate .	Do. . . .	Occasional rainsqualls. Overcast.
	8 P.M.	..	..	N	5-6	Do. .	Moderate swell from N.	Heavy squall accompanied by rain. Lightning to NE.
	Midnight	..	..	N	5-6	Do. .	Do. .	Frequent rainsqualls.
19th October . . .	4 A.M.	..	..	NE	6	Moderate to rough.	From NE . .	Frequent heavy rainsqualls. Frequent vivid lightning to SE.
	5 A.M.	..	..	ENE	6	..	....	
	6 A.M.	..	..	E/N	6	..	....	
	7 A.M.	..	..	E	7-8	..	....	
	8 A.M.	16·45	62·46	E/S	7-8	Rough . .	Confused swell from E.	Frequent squalls of gale force.
	Noon	16·57	63·28	E	6	Do. . .	Do. .	Frequent severe rainsqualls.
	4 P.M.	..	..	E	6	Do. . .	Do. .	Occasional showers.
	8 P.M.	..	..	SE	5	Do. . .	Moderate swell from SE.	Occasional rain.
	Midnight	..	..	SE	4-5	Moderate .	Moderate swell from SW.	

It will be seen from the above log that between 7 and 8 hrs. on the 19th she experienced E to E/S wind of force 7-8 with frequent squalls. The depression thus appears to have developed into a storm by the 19th morning, with centre near Lat. 15¼°N and Long. 63°E. The storm thereafter moved very slowly and was centred near Lat. 15½°N and Long. 62½°E on the 20th morning and near Lat. 15½°N and Long. 62°E on the next morning. *S. S.* '*Dorsetshire*' (bound from Aden for Bombay), an extract from whose log is given below, experienced NE-ly to E-ly gales between 4 and 8 hrs. on the 22nd. Her observations indicate that the storm had not begun to weaken till the 22nd morning, when it was centred near Lat. 16°N and Long. 61½°E.

Date.	Hour.	Position.		Wind.		Sea.	Swell.	Remarks.
		Lat. N.	Long. E.	Dir.	Force.			
		° ′	° ′					
21st	8 A.M.	15 37	57 58	N	5	Moderate .	Heavy swell.	
	Noon	15 49	58 49	NNW	6	Moderate to rough.	Heavy confused swell.	Cloudy.
22nd	4 A.M.	..	..	NE	8-9	High . .	Confused swell .	Frequent heavy rainsqualls.
	8 A.M.	16 41	62 32	E	7-8	Do. . .	Do. .	Overcast.
	Noon	16 51	63 17	E	5-6	Do. . .	Do.	
	4 P.M.	..	..	E	4	Moderate .	Do.	

Observations of both *S. S.* '*Clan Mathesan*' and *S. S.* '*Dorsetshire*' show that the storm had comparatively stronger winds to the north of its centre. It is not, however, possible with the available information to say what was the lowering of barometric pressure at the centre of the storm. After the 22nd morning, the storm weakened very rapidly; there remained on the next day only an extended trough of low pressure over the central Arabian Sea which became unimportant on the 26th.

Associated with this storm, scattered thundershowers continued in the west of the Peninsula throughout the period between the 12th and 26th, the region of thunderstorm rain also extending east and northwards occasionally. Some of the noteworthy heavy falls of rain besides the ones already mentioned are given below: Madras recorded 6″ and Pamban 5″ on the 11th, Cochin 5″ on the 12th and Calicut 4″ on the 15th.

15. *Storm of 23rd to 26th November.*—The seasonal trough of low pressure over the south Bay of Bengal became well pronounced after the 18th; Victoria Point had 3″ of rain on the 19th and Port Blair the same amount on the next day. The easterly upper winds at Port Blair had also strengthened. On the morning of the 21st conditions were markedly unsettled between Ceylon and the Andaman Sea and a depression had formed by the next morning as indicated by ships' observations; *S. S.* '*Waroonga*', which was about 200 miles to the north of the centre, reported wind of force 7 and rough seas. The depression had intensified into a storm by the morning of the 23rd and lay with its centre near Lat. 8° N. and Long. 87° E. Observations of ships to the southwest of the centre of the storm are given below:—

Date.	Ship.	Hour.	Position.		Wind.		Sea.	Weather Remarks.
			Lat. N.	Long. E.	Dir.	Force.		
			° ′	° ′				
23rd November	"Fuku Maru"	20	5 51	86 42	W by S	7	Very rough	Rain.
	"Crown of Galicia"	20	11 38	84 03	NE	6-7	Rough sea and confused heavy swell.	Heavy rain and squalls.
	"City of Shanghai"	8	17 52	86 25	NE	6	Rough sea with NE heavy swell.	Rain and squalls.
	"Fagervik"	20	9 12	82 00	NW	6	High sea	Rain and squalls.

The further progress of the storm is indicated by the logs of the following steamers:—

S. S. "City of Calcutta."

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat. N.	Long. E.		Dir.	Force.			
		° ′	° ′	″					
23rd November	4	..	..	29·780	NW	2	Slight	Slight	Overcast sky, continuous heavy rain.
	8	07 02	82 00	29·810	W	2	Slight	Slight	Overcast sky, light rain.
	12	07 40	81 57	29·770	W	4	Slight	Slight	Overcast sky, continuous rain throughout the watch.
	16	..	..	29·660	W by S	5	Moderate	ENE moderate	Overcast sky continuous heavy rain.
	20	..	..	29·700	WSW	6	Rough	..	Overcast sky, frequent heavy rain showers.
	00	..	..	29·650	W by N	7	High	..	Overcast sky, vessel pitching and tossing, continuous heavy rain throughout the watch.

M. V. Ruhr.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat. N.	Long. E.		Dir.	Force.			
		° ′	° ′	″					
23rd November . .	4	..	..	29·700	W by S	7	High . .	W, heavy short length.	Overcast sky, rain and squalls.
	8	03 51	86 00	29·736	W by S	7 to 8	Very high .	W/S, heavy short length.	Do.
	12	04 05	85 27	29·727	W by S	8 to 9	Very high .	W, heavy short length.	Cloudy and squalls.
	16	..	..	29·676	W by S	8 to 9	Very high .	W, heavy average length.	Do.
	20	..	..	29·755	W by S	8 to 9	Very high .	W/S, heavy short length.	Overcast sky and squalls.
	00	..	..	29·762	W by S	8 to 9	Very high .	W, heavy short length.	Do.

By the morning of the 24th the storm had increased in severity and, after moving in a northwesterly direction, lay with its centre near Lat. 10° N. and Long. 82° E. Locally heavy rain was reported from south Madras; Trivandrum and Negapatam reporting 5″ each. At 14 hrs. the centre had moved to Lat. 11° N. and Long. 82° E. Pamban reported a moderate gale and very rough sea. At 19 hrs. the Madras wind had risen to a fresh gale and the seas were very high, while Pamban continued to report a moderate gale and very rough sea. W-ly winds south of Ceylon were also strong.

Extracts from the weather logs of ships near the storm are given below :—

Date.	Ship.	Hour.	Position.		Wind.		Sea.	Remarks.
			Lat. N.	Long. E.	Dir.	Force.		
			° ′	° ′				
24th November .	"Fagervik" . .	8	10 02	81 56	Variable	9	Precipitous . .	Overcast sky, rain and squalls.
	"Crown of Galicia"	8	13 02	84 20	ENE	7	High . . .	Overcast sky, confused heavy swell.
	"Fusijama" . .	20	05 48	86 55	SW	7	Very rough . .	Cloudy.

M. V. Ruhr.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat. N.	Long. E.		Dir.	Force.			
		° ′	° ′	″					
24th November .	4	..	..	29·712	W by S	7 to 8	Very high .	Heavy, average length.	Cloudy, rain and squalls.
	8	04 57	83 24	29·747	W by S	8 to 9	Do. .	Heavy, short length.	Do.
	12	05 07	83 00	29·711	W by S	8 to 9	High . .	Do. .	Do.
	16	..	..	29·658	W by S	10	Very high .	Heavy, average length.	Cloudy and squalls.
	20	..	..	29·729	W by S	8 to 9	Do. .	Do. .	Overcast sky, and squalls.
	00	..	..	29·760	W by S	7 to 9	High . .	Heavy, short length.	Cloudy, rain and squalls.

S. S. City of Calcutta.

Date.	Hour.	Position. Lat. N.	Position. Long. E.	Bar.	Wind. Dir.	Wind. Force.	Sea.	Swell.	Remarks.
		° ′	° ′	″					
24th November .	1	..	..	..	W	7	..	..	00 to 2·15 continuous heavy rain exceptional at times.
	2	..	..	29·56	W	7	..	..	2·15 calm and then variable inclined N-ly, loud thunder and vivid lightning.
	3	..	..	..	NW by W	3	..	..	3·35 Torrential rain, visibility poor.
	4	..	..	29·49	N N W	3	Moderate .	Moderate confused.	Overcast sky rain.
	4-30	..	..	..	N	3	..	..	....
	5	..	..	..	W by S	6	..	..	4·35 Main topmast struck by lightning, carrying part of topmast away.
	6	..	..	..	W by S	6	..	..	5·4 Thunder and lightning ceased, visibility improved.
	7	..	..	..	NE	5	..	..	....
	8	09 48	81 36	29·56	NE	5	Rough . .	Very heavy NE.	Vessel pitching and labouring heavily. Heavy rain.
	12	10 11	81 34	29·52	N	4	Rough . .	Moderate .	Cloudy, occasional rain showers.
	13	..	..	..	N by E	4	..	..	....
	14	..	..	29·47	..	..	..	..	....
	16	..	..	29·43	N by E	4	Rough . .	Heavy, E .	Vessel rolling and pitching heavily, drizzle showers.
	17	..	..	..	E by N	5	..	..	....
	20	..	..	29·51	E by N	5	Rough .	Heavy, E .	Partly cloudy, vessel pitching and rolling heavily.
	22	..	..	..	ENE	5	..	..	....
	00	..	..	29·57	ENE	6	Rough . .	Heavy . .	Partly cloudy.

S. S. Rohna.

Date.	Hour.	Position. Lat. N.	Position. Long. E.	Bar.	Wind. Dir.	Wind. Force.	Sea.	Swell.	Remarks.
		° ′	° ′	″					
24th November .	13	..	..	29·51	N	5	..	..	....
	14	10 06	80 40	29·47	N	5	..	..	....
	15	..	..	29·48	N by W	4-5	..	..	....
	16	..	..	29·48	NNW	2	Moderate .	Heavy NE-ly	Light wind, heavy rain, dull and overcast.
	17	..	..	29·43	WSW	9	..	..	Wind shifted after lull from NNW to WSW in a violent squall at 4-15 P.M. to 4-45 P.M. at which time lowest barometer reading was recorded.

S. S. Rohna.—contd.

Date	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat. N.	Long. E.		Dir.	Force.			
		° ′	° ′	″					
24th November—*contd.*	18	..	..	29·47	WSW	8	..	..	....
	19	..	..	29·51	W by S	7	..	..	....
	20	..	..	29·55	WSW	7	High . .	Heavy . .	Moderate gale, overcast and cloudy, frequent rain squalls.
	21	..	..	29·58	WSW	6	..	..	....
	22	..	..	29·59	SW by W	5-4	..	..	....
	23	..	..	29·59	SW	5	..	..	....
	Midnight	..	..	29·59	SSW	4-5	Moderate to Rough.	Moderate to heavy SW-ly.	Overcast drizzle fresh breeze.

S. S. Waroonga.

Date.	Hour.	Position.		Bar.	Wind.		Sea.	Swell.	Remarks.
		Lat.	Long.		Dir.	Force.			
		° ′	° ′	″					
24th November .	12	9 38	82 04	..	..	..	..	..	....
	15	..	..	29·52	WSW	7-8	Heavy . .	Heavy . .	Overcast, dull.
	16	..	..	29·54	WSW	8-9	..	..	....
	17	..	..	29·55	SW by W	9	..	..	....
	18	..	..	29·58	SW by W	9	High . .	High . .	Occasional rain squalls.
	19	..	..	29·61	SW by W	9	..	..	....
	20	..	..	29·64	SW by W	8-9	..	..	....
	21	..	..	29·66	SW by W	8	..	..	....
	22	..	..	29·66	SW by W	7-8	Heavy . .	Heavy . .	Overcast, frequent heavy rain squalls.

S. S. 'City of Calcutta' which arrived at the Madras harbour on the morning of the 25th, and was about 360 miles south of Madras on the morning of the 24th experienced intense cyclonic weather during which her main mast was hit by lightning and was severely damaged.

The storm centre lay about 60 miles to the southeast of Madras on the morning of the 25th. It caused general rain in south Madras and Mysore with heavy falls in the basins of Palar, Dakshina Penner, Cauvery and Vaigai rivers; Negapatam recorded 12″ of rain. *S. S.* '*Fagervik* (Lat. 13° N. and Long. 13° E. approx.) at 20 hrs. reported a moderate gale from ENE and high sea. *S. S.* '*Erinpura*' which was very near its centre at 18·30 hrs. reported a strong breeze with very high seas, which she continued to experience till midnight.

The Port Officer, Negapatam, wrote—

".....The Port experienced severe weather attended with very rough sea and very heavy rain on the 23rd, 24th and 25th November 1932, rainfall recorded on these dates being 2·61, 5·13 and 12·18 inches respectively....."

After the evening of the 25th the storm weakened into a depression which passed inland near Madras early morning on the 26th. Weakening further it lay as a shallow low pressure area over Mysore and the adjoining parts of the Madras Deccan at 8 hrs. on that morning. The low pressure area moved westwards into the southeast Arabian Sea and became unimportant in the course of the next two days.

The storm caused locally very heavy rain in Ceylon and south Madras. It is reported that considerable damage was done to trees and houses near Jaffna in Ceylon and at Madras and other stations on the Coromandel coast.

16. *Depression of 30th October to 6th November.*—Unsettled conditions which appeared in the southwest Bay of Bengal on the 29th of October, developed into a shallow depression on the 30th, with central region near Lat. 11° N. and Long. 83° E. On the morning of the next day (31st) the depression was centred near Lat. 13° N. and Long. 83° E. and upper winds up to 3 km. above mean sea level were also cyclonic. *S. S. Chilka*, Lat. 17° N., Long. 90° E. was experiencing a strong SSW-ly breeze at 15·30 hrs.

The depression had moved northwards and on the morning of the 1st November it lay with its centre near Lat. 15½° N. and Long. 83° E. *S. S. Homefield* was experiencing a fresh SSE-ly breeze with showers and rain. *S. S. Jalatarang* reported a rough sea, moderate SW by S swell and moderate S by E breeze from Lat. 10° 56′ N., Long. 87° 24′ E. Thereafter the depression took a northwesterly course, crossed the coast near Cocanada during the night and lay with its centre near Jagdalpur on the morning of the 2nd. Moving further in a northerly direction the depression was centred about 120 miles west of Cuttack on the morning of the 4th; Puri was experiencing a moderate SSE-ly gale, with thunder and lightning. Thereafter it moved northeastwards and filled up over north Bengal by the morning of the 7th.

During its movement the depression caused widespread and locally heavy rain on the east Madras coast and northeast India.

17. *Depression of 9th to 15th November.*—Signs were noticeable of a strengthening of the northeast monsoon in the south Bay of Bengal on the 7th morning. Pressure fell over the region extending from Tenasserim to the Coromandel coast between the 8th and 9th and on the morning of the 10th conditions became unsettled between Ceylon and the Andaman Islands. The upper winds up to 4 km. indicated that a cyclonic circulation was setting up over that region. On the morning of the next day a depression had formed with centre near Lat. 10°N. and Long. 83°E. Ships in the Bay to the south and east of the depression were experiencing strengthened SW'lies. At 16·30 hrs. *S. S. Erinpura*, about 170 miles to the northwest of the centre was experiencing a strong N. breeze.

By early morning of the 12th the depression had intensified as well as elongated towards NE and was centred near Lat. 13°N. and Long. 83°E. The upper winds at Madras were between north and northwest from surface up to 4 km. while at Port Blair they were southerly up to 1·5 km. At 6·30 hrs. *S. S. Bernardin de St. Piere* began to experience a moderate N-ly gale, while at 9·30 hours *S. S. Garada* was experiencing a moderate NE-ly gale. At 10 hours *S. S. Bernardin de St. Piere* was about 60 miles to the west of the centre and her wind direction was NW, the gale strength having been maintained since morning. At 11 hours, the wind at Calingapatam had risen to a NNE-ly gale.

By the morning of the 13th the depression had appreciably weakened and was centred near Lat. 16½°N. and Long. 86°E., and ships 100 to 80 miles to its north and northeast were having only moderate breezes and seas.

S. S. Jalajyoti which was in the vicinity of the depression between the 11th and 13th sent the following interesting reports :—

"*November 11th.*—Weather at 8·00 A.M. was suspicious with a distinct swell from SW with wind in the NE. The vessel was rolling heavily.

Noon. Weather turned threatening. Wind increasing NNE force 4. Overcast and raining. Swell increasing SW, sea moderate.

8 P.M. Barometer falling. Weather getting worse. Wind East. Continuous rain. Rough sea. Heavy swell. Vessel now shipping heavy water. Now clear evidence of depression in close vicinity. Swell now becoming confused in direction. Vivid lightning in S. and E.

November 12th.—8 A.M. Weather continues as before. Barometer falling.

Noon. Weather appearing to be getting slightly better. Wind SW. Here considered that the vessel was across behind storm path although no rise in barometer.

3 P.M. Improvement not maintained. Storm warning by W/T gives centre of storm very near to ship's position. Altered course to South (true) under impression that the storm would continue to go N and W.

4 P.M. Weather gradually getting worse. Barometer 29·48. Falling. Swell high and confused. Wind S, 4-5.

8 P.M. Barometer 29·49″. Sky very heavy. Torrential rain with deafening thunder and vivid lightning. Wind NW, 4-5, having changed with great rapidity during severe squall. This weather continued throughout the night.

November 13th.—00·00. Barometer rising slightly 29·50″. Wind W; force 4-5. Heavy swell from westward.

8 A.M. Heavy weather continues. Barometer rising 29·65″. Resumed course considered out of all danger.

10 A.M. Wind shifts to SW. Clouds breaking up and squalls less frequent.

Noon. Occasional squalls. Heavy swell from WSW. Wind steady SW, 4.

Midnight. Weather fine. Swell moderate. Barometer 29·67″."

The depression continued to move in a NE-ly direction and, on the morning of the 14th, was centred near Lat. 20°N. and Long. 88°E. An extract from the log of *S. S. Karagola* which was near the centre, on the 14th is given below :—

Date.	Hour.	Position. Lat. N.	Position. Long. E.	Bar.	Wind. Dir.	Wind. Force.	Sea.	Swell.	Remarks.
		° ′	° ′	″					
14th November . .	02	..	..	29·73	SE	5	Rough . .	S by E, moderate.	....
	04	..	..	29·69	S by E	5	Rough . .	S by W, moderate.	....
	08	19 10	90 39	29·68	S by E	5	Very rough .	S, moderate .	....
	10	..	..	29·80	S	6	..	..	....
	12	19 38	90 07	29·72	S	6	Rough . .	S, moderate .	....
	14	..	..	29·68	SSE	6	Rough . .	S, moderate .	Squally.
	16	..	..	29·69	SSE	5	Rough . .	S, moderate .	Squally.
	20	..	..	29·67	SSE	6	Rough . .	S by W, heavy	....
	22	..	..	29·68	SSW	6	..	..	Squally.
	00	..	..	29·73	NW by N	3	Slight . .	S, moderate .	Drizzle and squalls.

The centre of the depression crossed the coast at about 2 hrs. on the 15th and at 8 hrs. on that day it was over Khulna in southeast Bengal. Widespread rain in south and east Bengal and in lower Assam had occurred in the past 24 hours. Thereafter the depression, considerably weakened, moved to north Burma and filled up after causing nearly general rain in east Bengal and the Arakan coast.

18. *Unsettled Conditions of 1st—4th December 1932.*—Conditions were somewhat unsettled in the south Bay of Bengal since 27th November. On the morning of the 1st December ships in the neighbourhood of Lat. 9° N., Long. 83°E. reported slight to moderate seas with moderate to fresh breezes; ships considerably north of that region, *e.g.*, *S. S. Mandala* at Lat. 14⅓°N., Long. 81⅔°E. and *S. S. Winkfield* at Lat. 14½°N., Long. 85¾°E., at 15·30 and 18·30 hours respectively were experiencing fresh NE-ly to NNE-ly breezes, and moderate to rough seas. At 8 P.M. of that evening *S. S. Hatipara* near Lat. 7½°N., Long. 84½°E. reported squally weather with rain. *S. S. Pasha* near Lat. 9¾°N., Long. 82°E. had logged continuous rain from 8 P.M. of the 30th November till midnight of the 1st December, with frequent squalls.

By the morning of the 2nd the unsettled conditions had further intensified and could be located near Lat. 9°N., Long. 84°E. A strong N-ly breeze was blowing at Pamban with a rough sea. *S. S. Pasha*, at Lat. 12¼°N., Long. 81¾°E. was experiencing rough seas with a strong NNE-ly breeze at 6·30 hours while *S. S. Sirsa* nearly 450 miles away, at Lat. 14½°N., Long. 81¼°E. was also experiencing a fresh NE-ly breeze, but with moderate seas. *S. S. Hatipara* at Lat. 7°N., Long. 82¾°E. also reported rough seas in the morning.

Thereafter the unsettled conditions persisted at the same place but became less marked though Colombo began to experience rough seas at 17 hours. By the early hours of the 3rd, the unsettled conditions had become less marked still but *S. S. Garmula*, near Madras at 8 hours reported rain squalls with a fresh NE-ly breeze, and moderate sea while *S. S. Maidan* near Lat. 8½°N., Long. 81½°E. at 8 hours reported squally weather. The weather became normal by the 4th afternoon.

Unsettled conditions caused locally very heavy rain on the Coromandel coast, Negapatam recording 10″ on the 3rd.

WESTERN DISTURBANCES.

The following is a list of the western disturbances which affected the weather in northern India during the year with the dates on which they did so and brief notes on the precipitation that they produced :—

	January.	
1	1—3 . .	A few light falls of rain or snow in Baluchistan on the 2nd and in Kashmir on the 3rd.
2	5—10 . .	A few falls of rain in Baluchistan on the 5th. Nearly general rain in the North-West Frontier Province on the 8th and 9th, in Kashmir on the 8th and in the Punjab on the 9th; local rain in the Punjab on the 8th, in Kashmir on the 9th and a few falls in Baluchistan from the 6th to 9th, in the North-West Frontier Province on the 7th and 10th, in Sind on the 8th and in the Punjab-Kumaon hills on the 10th.
3	11—12 .	A few light falls of rain in the North-West Frontier Province on the 12th.
4	13—14 . .	Caused no precipitation.
5	17—20 . .	Local falls of snow in Kashmir on the 18th, 19th and 20th.
6	24—25 . .	A few falls of snow in Kashmir on the 24th.
7	26—27 . .	A few falls of snow in Kashmir on the 27th.
8	29—30	Local falls of rain or snow in Kashmir with a few falls of rain in the North-West Frontier Province on the 30th.

9	31—6th February	Nearly general rain or snow in the North-West Frontier Province and Kashmir on the 31st January and in Kashmir on the 1st February, and widespread rain in Assam on the 4th and in Upper Burma on the 6th; local rain in the east and north Punjab on the 1st and 2nd, in the North-West Frontier Province and in the Kumaon hills on the former date and in Upper Burma on the 5th and 6th; a few falls also occurred in Baluchistan and the Punjab hills on the 31st and in Bengal, Assam and Baluchistan on the 2nd.
	February.	
10	5—7 . .	A few light falls of rain in east Rajputana and scattered duststorms in lower Sind on the 6th.
11	9—11 . .	Local rain in Kashmir and the Punjab hills on the 10th and nearly general rain or snow at the latter division on the 11th.
12	12—16 . .	Fairly widespread rain or snow in Kashmir and the east and north Punjab on the 13th and nearly general rain in Bihar on the 14th, with local falls of rain or snow in the North-West Frontier Province and Kashmir on the 12th, in the west United Provinces on the 13th and 14th and in Chota Nagpur on the latter date; a few falls also occurred in Baluchistan and the Punjab on the 12th, in the south-west Punjab on the 13th, in the east United Provinces on the 14th, in the Kumaon hills, Bihar and Bengal on the 15th and in Assam on the 14th, 15th and 16th.
13	18—20 . .	Fairly well distributed general rain from the west Central Provinces and east Central India to Orissa and southwest Bengal on the 19th and in Bengal and Assam on the 20th; local thundershowers also occurred in east Central India and the Central Provinces on the 18th.
14	19—21 . .	Gave no precipitation.
15	22—27 . .	Scattered falls of rain in the North-West Frontier Province and Kashmir on the 26th and in the Punjab hills on the 26th and 27th.
16	28—1st March .	Nearly general rain in the North-West Frontier Province on the 28th and 29th and local rain in Baluchistan on those two days, in Kashmir on the 29th and 1st March and in the southwest Punjab on the 29th, with a few falls in and near the Punjab hills from the 28th February to 1st March.
	March.	
17	1—3 . .	Nearly general rain in the North-West Frontier Province on the 2nd and a few falls in Kashmir on the next day.
18	4—7 . .	Local falls of rain or snow in Kashmir with a few falls in the North-West Frontier Province and the Punjab hills on the 6th.
19	8—12 . .	Fairly widespread rain in Baluchistan on the 8th, in the North-West Frontier Province and Kashmir from the 8th to 10th and in the Punjab on the 9th, with local rain in the east and north Punjab on the 10th and 11th; a few falls also occurred in the southwest Punjab on the 10th, in Kashmir on the 11th and in the Punjab hills on the 8th and 12th.
20	13—15 . .	A few light showers in Baluchistan on the 13th and along the northwest frontieier on the next day.
21	19—24 . .	Nearly general rain in the North-West Frontier Province on the 23rd and fairly widespread thunderstorm rain in the Punjab, the west United Provinces and Rajputana on the 24th with a few falls along the northwest frontier from the 20th to 22nd, in Baluchistan and the east and north Punjab on the 23rd, in Kashmir on the 23rd and 24th and in Sind on the latter date.
22	24—26 . .	Local rain in Baluchistan on the 24th and fairly widespread rain from the Punjab-Kumaon hills to the Central Provinces on the 25th.
23	26—30 . .	Nearly general rain in north Baluchistan on the 26th and local rain there with a few falls in the North-West Frontier Province on the 27th, and fairly widespread rain in the North-West Frontier Province and the Punjab on the 28th and 29th with local rain in Kashmir on the 29th and 30th; scattered dust or thunderstorms also occurred generally over north-west India on the 29th and nearly general thunderstorm rain along and near the Punjab-Kumaon hills on the 30th.
	April.	
24	1—5 . .	Local rain in the North-West Frontier Province on the 3rd, in Kashmir on the 3rd and 4th and a few falls in the North-West Frontier Province on the 2nd, in the east and north Punjab on the 3rd and in Kashmir on the 5th.
25	6—7 . .	A few falls of rain in Kashmir on the 6th.
26	15—16 . .	A few thundershowers in the North-West Frontier Province, the east and north Punjab and Kashmir on the 16th and in the Punjab-Kumaon hills on the next day with scattered duststorms in the North-West Frontier Province on the 15th and in the southwest Punjab on the 16th.
27	19—21 . .	Light local thundershowers in the North-West Frontier Province on the 21st.
28	22—28 . .	Local rain in north Baluchistan on the 24th and in the east and north Punjab and in the west United Provinces on the 25th; a few thundershowers in north Baluchistan and the North-West Frontier Province on the 23rd, in the east and north Punjab on the 24th and in Kashmir on the 25th, with scattered duststorms in the west Punjab on the 23rd and 25th. It was followed by a secondary disturbance which filled up over north Baluchistan and upper Sind causing nearly general thunderstorm rain in the North-West Frontier Province on the 27th and 28th and local rain in north Baluchistan on the 27th, with a few falls there on the 25th, 26th and 28th and in the east and north Punjab on the 27th and scattered light thundershowers in the southwest Punjab on the 26th.
29	29—1st May .	Local rain in the North-West Frontier Province on the 29th and 30th, in Kashmir on the 29th and 30th and the 1st May and in the Punjab hills on the 30th, with a few falls in Baluchistan on the 29th and 30th, in the Punjab hills on the 29th and in the Punjab-Kumaon hills on the 1st May.

	May.	
30	2—3 . .	Nearly general rain in the North-West Frontier Province with a few falls in Kashmir and the north Punjab on the 2nd and light showers along the north-west frontier and in Kashmir on the 3rd.
31	14—17 . .	Local rain in the North-West Frontier Province and Rajputana and a few falls in Sind with scattered duststorms over northwest India on the 16th and a few light thundershowers along the northwest frontier, in Kashmir, the east and north Punjab and east Rajputana on the next day.
32	21—26 . .	It accentuated the seasonal low pressure area over northwest India on the 24th. A few falls of rain occurred in Kashmir on the 23rd and fairly widespread rain there and in the Punjab-Kumaon hills on the 24th and 25th, with scattered dust-storms in the Punjab and Rajputana on the former date.
	June.	
33	19—22 . .	A few falls of rain in Kashmir on the 19th. Fairly widespread thunderstorm rain in the Murree hills on the 20th, in Kashmir on the 20th and 22nd, from the North-West Frontier Province to the west United Provinces on the 21st and in the east and north Punjab on the 22nd with a few falls there on the next day.
	July and August.	
34		No well defined western disturbance.
	September.	
35	20—21 . .	Local thundershowers in the North-West Frontier Province on the 21st.
	October.	
36	4—8 . .	Widespread duststorms in the North-West Frontier Province and the north Punjab on the 4th and a few falls of snow in Kashmir from the 5th to 8th.
37	15—17 . .	A few falls of rain in Kashmir and its neighbourhood on the 15th and 16th.
38	21—23 . .	A few falls of rain in Kashmir and the Punjab-Kumaon hills on the 22nd and 23rd.
39	27—29 . .	No precipitation.
	November.	
40	20—24 . .	No precipitation.
41	25—26 . .	No precipitation.
	December.	
42	14—25 . .	Nearly general rain or snow in Kashmir and the Punjab-Kumaon hills on the 21st and 23rd and fairly widespread rain in the Punjab-Kumaon hills and the northern districts of the United Provinces on the 24th and in Assam on the 25th; local falls of rain or snow also occurred along the frontier from the 17th to 23rd and in Kashmir from the 17th to 20th and on the 24th and local rain in Bihar, north Bengal and Assam on the 24th.
43	25—26 . .	Local falls of rain or snow along the frontier on the 25th and a few light showers along the western Himalayas on the next day.
44	27—30 . .	A few falls of rain or snow along the frontier and in Kashmir and the north Punjab on the 28th and local rain or snow along the western Himalayas on the next day. Local falls of rain also occurred in the plains of the east and north Punjab and a few light showers in the southwest Punjab, the plains of the United Provinces and in Chota Nagpur and Bihar on the 29th.
45	30 . . .	Nearly general rain or snow in north Baluchistan and Kashmir on the last day of the month.

LOCAL STORMS.

Of the local storms reported in the newspapers, the following are noteworthy :—

February 28th.—A severe hailstorm followed by rain occurred at Jalgaon on the evening of the 28th. As a result of the fall of hail-stones, which in some cases were as large as full-sized lemons, the trees lost their foliage almost everywhere. Much damage was done to the mango and other fruit crops. Several electric road lamps were smashed and two persons were said to have been seriously injured as a result of the storm.

February last week.—The standing crops around Jubbulpore were considerably damaged as the result of a duststorm and rain during the last week-end of February.

March 9th.—Several persons were buried alive as the result of the collapse of a wall on the 9th in Peshawar City due to stormy weather.

March 10th.—Torrential rains accompanied by hailstorms, lightning and peals of thunder caused damage to crops and fruit blossoms in and around Peshawar.

March 20th.—A severe nor'wester swept over the villages of Saidabad, Rupsha, Nali, Neelgram, Darikanda and others of east Bengal as a result of which four persons were killed and 50 seriously injured. Considerable damage was caused in Sivalaya, the roofs of the Police Station and the Post Office being blown away. The nor'wester came from the north, crossed the river Padma and devastated many villages on the banks of the river. Hundreds were rendered homeless and several cattle were reported to have died.

April, 1st week.—A severe duststorm with thunder and lightning passed over Hyderabad (Sind) causing considerable damage. The whole city was enveloped in darkness for some time and the velocity of the wind was so great that it carried away whatever came in its way. The mango and apple gardens suffered the most. Many trees were uprooted and the fruits from others dropped down.

April 5th.—Serious damage was caused by a severe thunderstorm which swept over the town of Tinnevelly for about fifteen minutes on the evening of the 5th. Trees were uprooted, telegraph lines cut and the roofs of nearly 100 houses

on the main road between the Town and Junction were blown off.

April 12th.—A severe thunderstorm with duststorm followed by heavy showers of rain passed over Tirupur in the evening causing considerable damage in a number of places. Factory buildings, dwelling houses and other properties were damaged. A number of trees were uprooted or the branches broken and carried away. The storm was so very furious that in almost all the places roofs were damaged and destroyed. The cotton crop in the Tirupur area, where the first crop picking was in progress, was also damaged.

A thunderstorm occurred at Coimbatore and lasted about two hours; thunderstorms seem to have occurred all over Coimbatore District. Rivers and jungle streams swelled out of proportion and traffic on important roads in several parts of the district was held up for some hours. In some parts of the district, trees were uprooted and cattle and crops were washed away.

April 16th.—A severe thunderstorm swept over the port of Bhavnagar when for nine hours the work of discharging cargo from ships was stopped. Due to strong winds, one barge broke away from its mooring and drifted away.

May 1st.—A severe storm passed over the village of Majhirgati, seven miles north of the town of Khulna. It resulted in the instantaneous death of two men and two women and serious injuries to about 100 persons. A large number of cattle lost their lives. The standing crops were entirely destroyed. Almost all the villagers were rendered homeless. In an adjoining village two men were killed by lightning.

May, 1st week.—Seven members of a family of eleven were killed by lightning when they came outside to have a look at a big hail stone which fell in the court-yard of a cultivator during a tornado which burst over Hajiganj, about seven miles from Faridpur. A number of villagers were injured and several herds of cattle lost, huts and thatched houses razed to the ground and standing crops damaged.

May 9th.—A severe tornado passed over Mymensingh between 3-30 P.M. and 4 P.M. on the 9th May. It was considered to be the most violent ever experienced there within the living memory of people and was responsible for the collapse of a part of the Mymensingh Jail Buildings. Huge blocks of brick walls and iron beams from the jail building were carried away a long distance. The jail was almost razed to the ground and the majority of the roofs were lifted away. The tornado swept over the neighbouring villages demolishing many houses and adding to the death roll. Some prisoners and warders were reported to have been killed by the falling buildings. Heavy rain followed the storm; but the town, which is about one mile away from the jail, was unaffected.

May 18th.—A severe storm passed between Lonavla and Malavli about 35 miles from Poona at about 5-30 P.M. causing serious damage to houses on the track of the storm and also to the Tata Company's Power Tower. As a result of this, the Railway and Telegraph communications were interrupted and the electric supply of the town of Poona was stopped during the whole night. The Bombay—Poona road was blocked by up-rooted trees and the railway huts made of iron, and other buildings were whirled off their foundations and deposited in pieces along the line.

May 24th.—A severe storm swept over Calicut, Kurumbanad, Ernad and Ponnani Taluks of the district of South Malabar, the areas affected being 20 miles inland. Trees were blown down in large numbers. Telegraph and telephone wires snapped and roads were blocked by fallen trees. Sixteen deaths were also reported the victims being mostly children. The Sub-Jail in Calicut was flooded. The Malabar Club on the sea front suffered severely. There was, however, no damage to the shipping at the port of Calicut.

July, 2nd week.—Of five members of a family in the village of Ramdattamal, consisting of one man, three women and a baby, two women were suddenly struck by lightning, which flashed through the roof of the house. One of them was killed although her baby, sleeping by her side escaped unhurt. The tragedy occurred during heavy rainfall in Patoyum in the Thar Parkar district, which was accompanied by thunder and lightning.

July 9th.—After heavy rain a sharp explosion startled the residents of the Kasauli Club and of Pahar View at Kasauli. Scattered pieces of stone were found littering the tennis court and the verandah and some pieces fell on the roof. The explosion was accompanied by a blinding flash of lightning and the wire netting which acted as a conductor saved the Kasauli Club and its inhabitants from destruction. A wooden post which was used to support wire netting was smashed to fragments.

July 13th.—At night a party of eight passengers was returning home in a country boat from the village of Elasin. While crossing the Dhaleswari river in East Bengal, a sudden squall upset the boat midstream. All the passengers were drowned.

July 16th.—A storm accompanied by lightning swept in the morning over the country between Lonavla and Battery Hill on the Poona-Bombay line of the G. I. P. Railway. One lightning flash struck the overhead electric wires of which one was brought down. This came in contact with one of the rails and as a result three feet of the steel rail was burnt right out.

August 27th.—A thunderstorm followed by torrential rain occurred at Aundh in the night and lasted for about three hours. The rain flooded the streets and water rushed into houses.

August 31st.—A heavy rainstorm swept across the Nira District in the night resulting in a severe washaway on the Southern Mahratta Railway, 36 miles from Poona between Dondaj and Walhe stations. All train communications were interrupted for about 48 hours.

December 24th.—A severe and widespread hailstorm which occurred at Cooch Behar in the evening did considerable damage to the crops. The paddy and tobacco crops were reported to have been ruined. Many trees were uprooted and branches broken.

WINDS OF FORCE NINE OR MORE IN INDIAN SEAS.

Excluding dates of storms and depressions, a description of which has been given above, winds of force nine or more were recorded on ships in the Indian seas during the year 1932 on the following occasions :—

Date.	Name of ship.	Approximate Position.	
		Latitude. N.	Longitude. E.
		°	°
24th and 25th May	"Gurna" . .	Near Ponani.	
Ditto .	"Celebes Maru" .	10·11	75·75
Ditto .	"Jalaputra" . .	At anchor at Calicut.	
25th May . .	"Conterosso" . .	12	75
4th and 5th July .	"Naldera" . .	Between 16 and 15	Between 61 and 55
10th July . .	"Nagina" . .	18	71

Date.	Name of ship.	Approximate Position.	
		Latitude. N.	Longitude. E.
		°	°
11th July . .	"Carthage" . .	16	62
12th July . .	"Carthage" . .	16	58
19th July . .	"Wildenfels" . .	15	58
3rd August . .	"Stolzenfels" .	12	57
22nd October .	"Dorsetshire" . .	16	32
24th and 25th November.	"Fager" . . .	7	79

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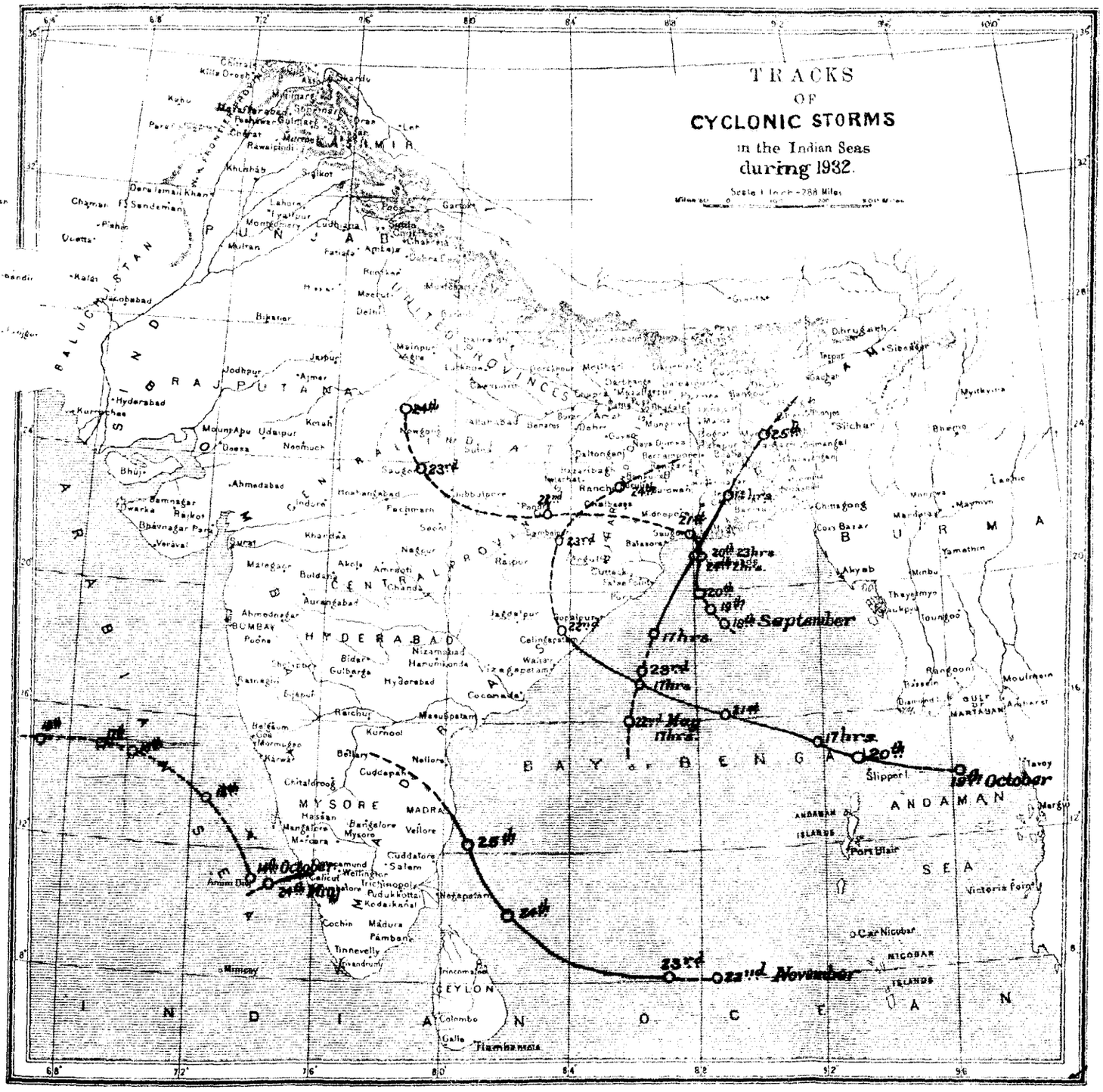
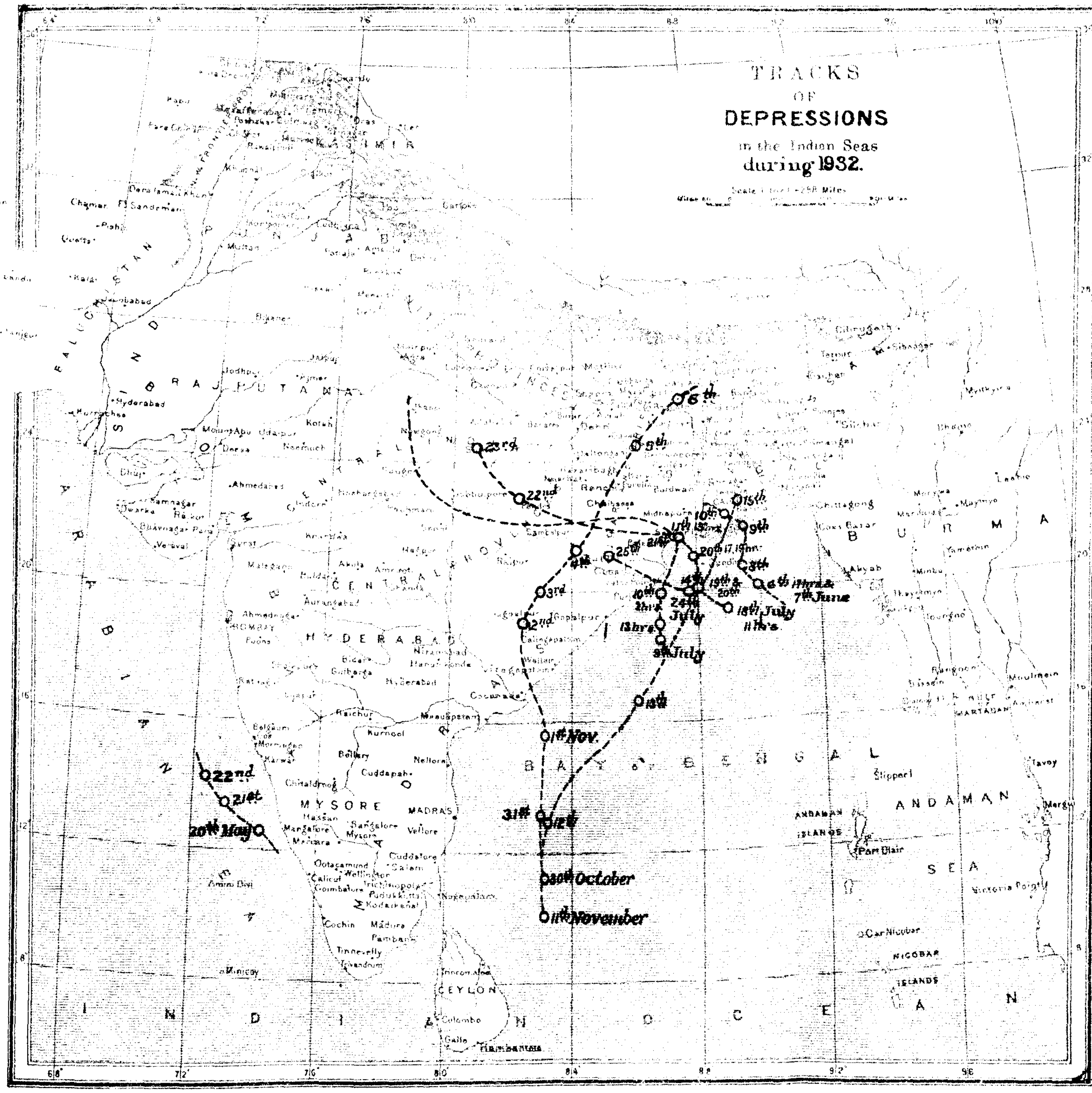


Reg. No. 8500 E/24

Depression — Storm — Severe Storm

The track in the Arabian Sea of the storm of October 1932, which lies outside the boundaries of the map, is defined by the following positions:-

	Lat.	Long.		Lat.	Long.		Lat.	Long.		Lat.	Long.
19th October	15-10,	63-0.	20th October	15-20,	62-30.	21st October	15-30,	62-0.	22nd October	16-0,	61-30.



Reg. No. 3590 E/24

Errata to Indian Weather Review Annual Summary for 1932, Part D.

Page.	*Station.*	*Line.*	*Column.*	*For*	*Read.*
D-12	Madras	Year	4	29·08	29·708
D-26	Gwador	November	16	·56	·526
"	"	Year	15	·63	·693
D-39	Saugor Island	—	10	93	98
D-55	Pabna	Year	5	76·9	76·2
D-56	Jammu	July	16	—10	—1

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1932

PART D

ANNUAL TABLES

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UNDER THE DIRECTION OF

S. K. BANERJI, D.Sc.,

Offg. Director General of Observatories.

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1933

Table D-1.--Abstract of observations taken at 10 hrs. (local time) and 17 hrs. (I. S. T.) or 16 hrs. (local time) at 15 stations, in the year 1932.

MONTHLY AND ANNUAL

Abstract of observations taken at 10 hrs. (L. M. T

Station and height of bar cistern above sea level in feet.	Month.	Pressure (Reduced to 32° F. and standard gravity.)					Temperature of Air.								Temperature wet bulb.				Nocturnal radiation temperature.		
		Mean 10 hrs.	Mean 17 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of three previous columns.	Mean.	Depression below mean minimum.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		17	18	19	20	21	22
Calcutta (Bengal) (21).	January	30·085	29·961	..	30·009	+·046	81·1	59·2	86	51	72·4	75·4	69·1	+3·9	58·1	64·9	65·0	62·6	52·4	6·8	—0·5
	February	29·962	·842	..	29·888	—·014	83·6	61·3	91	53	74·7	79·3	71·5	+1·2	58·7	65·0	64·2	62·6	54·4	6·0	0
	March	·882	·740	..	·803	+·002	94·9	71·6	100	63	85·9	90·3	82·4	+3·1	67·5	73·0	72·9	71·1	65·8	5·8	—0·3
	April	·772	·636	..	·705	+·009	98·6	76·5	105	70	89·2	91·5	86·8	+1·8	71·9	77·7	76·3	75·3	73·6	2·9	—1·6
	May	·662	·542	..	·603	—·003	94·4	79·1	103	70	88·6	89·1	86·4	+0·7	76·6	80·3	79·9	79·0	77·0	2·1	—1·1
	June	·517	·423	..	·476	—·018	91·4	80·4	98	75	86·4	86·1	85·6	+1·1	78·9	81·7	82·1	80·9	79·5	0·9	—1·3
	July	·457	·369	..	·420	—·065	88·3	79·6	93	75	84·9	83·9	83·6	+0·6	78·1	81·2	80·5	79·9	(a) 78·3	1·3	—0·6
	August	·630	·536	..	·587	+·051	88·6	79·1	93	77	84·8	84·3	83·5	+1·1	77·8	80·7	80·7	79·7	77·8	1·3	—0·7
	September	·634	·534	..	·585	—·052	89·2	79·4	93	77	85·7	84·2	84·0	+1·4	78·4	81·2	80·6	80·1	78·1	1·3	—1·3
	October	·833	·728	..	·773	—·012	90·0	76·4	94	68	86·0	84·0	82·7	+2·7	74·4	78·5	77·8	76·7	73·6	2·8	—1·5
	November	·930	·830	..	·870	—·039	81·3	67·9	87	58	77·1	75·8	73·9	+1·5	66·3	70·6	70·7	69·2	64·7	3·2	—3·1
	December	30·032	·918	..	·962	—·011	78·5	59·0	83	55	72·1	71·4	67·8	+2·5	57·5	64·6	64·1	62·1	53·9	5·1	—2·5
	Year	29·783	29·672	..	29·723	—·009	88·3	72·5	105	51	82·3	82·9	79·8	+1·8	70·3	74·9	74·6	73·3	69·1	3·4	—1·2
Agra (United Provinces) (554).	January	29·539	29·423	..	29·467	+·029	78·7	47·2	87	42	66·8	76·0	61·9	+1·8	..	55·5	62·1	..	42·4	4·8	..
	February	·412	·298	..	·344	—·038	79·3	44·9	89	36	67·4	76·7	61·4	—3·4	..	53·4	55·9	..	40·0	4·9	..
	March	·363	·242	..	·294	+·020	90·3	57·9	102	48	80·1	87·8	73·9	—2·8	..	62·8	64·3	..	(a) 52·1	5·8	..
	April	·367	·093	..	·226	+·083	99·9	67·8	105	59	91·0	97·5	83·8	—4·3	..	64·7	65·4	..	(k) 55·6	12·2	..
	May	·072	28·954	..	·012	—·021	106·5	76·2	114	68	97·7	104·8	90·9	—3·1	..	68·2	68·5	..	(m) 71·2	5·0	..
	June	28·931	·812	..	28·869	—·051	107·2	86·5	115	76	98·7	103·7	95·9	+2·5	..	75·9	74·7	..	80·9	5·6	..
	July	·909	·780	..	·846	—·062	98·3	80·2	107	72	90·7	96·9	88·4	+2·4	..	79·3	78·7	..	78·6	1·6	..
	August	29·043	·953	..	·997	+·025	91·0	77·6	101	75	85·4	87·9	83·5	—0·7	..	78·3	78·2	..	75·1	2·5	..
	September	29·060	·965	..	29·010	—·085	92·0	75·5	103	70	85·3	89·7	83·0	—1·2	..	77·0	78·0	..	73·0	2·5	..
	October	·298	29·192	..	·236	—·037	94·5	61·9	100	52	86·0	90·1	77·1	—2·3	..	67·5	69·0	..	57·6	4·3	..
	November	·429	·322	..	·364	—·031	83·8	47·6	89	43	74·7	80·0	64·2	—4·5	..	57·0	59·4	..	42·4	5·2	..
	December	·495	·388	..	·428	—·032	74·5	42·6	81	36	63·6	71·6	57·2	—4·0	..	51·8	55·4	..	(a) 37·5	5·1	..
	Year	29·243	29·119	..	29·174	—·017	91·3	63·8	115	36	82·3	88·6	76·8	—1·6	..	65·9	67·5	..	58·9	5·0	..

(a) Mean of 30 days. (k) Mean of 20 days. (m) Mean of 18 days.

TABLE D-1 FOR 1932.

and 17 hrs. (I. S. T.)

Vapour tension in inches of mercury.					Humidity.					Cloud.			Wind direction.										Wind velocity	
													Total number of 10 hrs. and 17 hrs. winds from											
From minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 17 hrs.	Mean of two previous columns.	Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Mean wind direction.	Mean velocity in miles per diem.	Departure from normal.
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
·471	·515	·515	·495	+·064	93	65	54	74	+4	1·5	0·3	0·9	18	5	2	5	1	5	8	5	13	N 71° W	35	—10
·465	·492	·401	·464	—·021	85	57	40	64	—2	2·3	1·8	2·1	7	3	3	3	4	9	8	10	11	S 73° W	60	+2
·647	·641	·577	·634	—·009	83	52	41	61	—6	0·9	1·8	1·4	12	1	2	2	2	10	13	12	8	S 60° W	59	—27
·736	·796	·703	·746	—·051	79	58	49	63	—7	1·8	3·8	2·8	4	1	1	1	2	21	23	5	2	S 29° W	94	—29
·889	·925	·899	·903	+·020	89	69	67	76	+1	4·5	5·1	4·8	1	1	1	1	4	30	21	1	2	S 16° W	136	+13
·972	1·015	1·027	1·002	+·031	93	81	80	85	+2	8·6	7·9	8·3	3	0	2	4	10	21	12	4	4	S 5° W	95	—9
·946	1·012	·993	·986	+·015	94	84	85	89	+2	8·9	8·2	8·5	4	0	0	23	9	12	11	2	1	S 52° E	87	—1
·937	·989	·999	·976	+·009	94	83	85	87	—1	8·2	8·3	8·2	7	1	0	2	5	18	24	4	1	S 24° W	72	—10
·965	1·001	·996	·989	+·037	96	81	85	88	+2	8·4	8·3	8·3	11	1	3	7	11	15	6	5	1	S 17° E	59	—12
·859	·873	·869	·869	+·053	94	71	75	82	0	3·3	3·9	3·6	22	4	4	4	3	3	16	2	4	S 47° W	37	—12
·642	·667	·687	·666	+·088	92	71	97	83	+9	4·3	3·9	4·1	15	3	7	6	3	1	3	0	22	N 14° W	44	0
·453	·510	·503	·490	+·052	90	65	65	75	+4	0·4	0·5	0·5	18	8	7	2	1	0	4	1	21	N 24° W	29	—15
·749	·786	·764	·768	+·024	90	70	69	77	0	4·4	4·5	4·5	122	28	32	60	55	145	149	51	90	..	66	—9
..	·290	·371	·328	+·020	..	45	41	55	—6	1·6	2·6	2·1	10	4	6	10	6	2	3	11	10	N 15° W	69	+6
..	·223	·170	·202	—·101	..	33	18	36	—16	1·7	2·5	2·1	0	2	0	5	4	5	12	18	12	S 78° W	82	+7
..	·340	·287	·328	—·009	..	33	22	38	—2	2·3	1·6	1·9	2	3	6	2	4	2	4	19	20	N 63° W	91	+7
..	·258	·195	·246	—·123	..	17	11	23	—6	2·1	2·0	2·1	0	0	5	2	0	1	7	23	18	N 68° W	97	+8
..	·293	·208	·270	—·209	..	16	10	21	—12	0·3	1·1	0·7	4	10	1	3	4	2	6	15	17	N 61° W	100	—7
..	·584	·466	·540	—·164	..	31	22	34	—14	0·7	2·3	1·5	3	2	7	2	0	0	11	25	10	N 79° W	134	+20
..	·844	·732	·792	—·135	..	59	43	58	—18	5·8	5·2	5·5	3	3	7	18	7	0	8	12	4	N 89° E	114	+18
..	·870	·832	·846	—·067	..	73	63	73	—5	6·2	5·8	6·0	4	6	0	7	5	2	11	17	10	S 89° W	96	+10
..	·814	·798	·814	0	..	67	57	71	+1	4·2	3·7	3·9	2	12	7	6	2	0	1	10	20	N 23° W	98	+19
..	·423	·424	·426	—·064	..	34	30	44	—7	0·8	1·4	1·1	1	20	5	5	3	3	9	11	5	N 33° W	62	+8
..	·229	·234	·230	—·113	..	27	23	38	—11	0·8	0·6	0·7	1	13	1	2	0	0	5	13	25	N 49° W	66	+19
..	·230	·223	·222	—·079	..	40	29	48	—9	1·8	2·0	1·9	2	10	3	7	1	4	5	9	21	N 43° W	70	+19
..	·450	·412	·435	—·089	..	40	31	45	—9	2·4	2·6	2·5	32	85	48	69	36	21	82	183	172	..	90	+11

MONTHLY AND ANNUAL

Abstract of observations taken at 10 hrs. (L.M.T.)

Station and height of bar cistern above sea level in feet.	Month.	Pressure (Reduced to 32° F. and standard gravity.)					Temperature of Air.								Temperature wet bulb.				Nocturnal radiation temperature.		
		Mean 10 hrs.	Mean 17 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of three previous columns.	Mean.	Depression below mean minimum.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Lahore (Punjab) (702).	January	29·395	29·298	..	29·336	+·045	71·0	43·4	78	36	61·0	68·3	55·3	+2·3	..	53·8	57·3	..	38·9	4·5	—5·2
	February	·256	·174	..	·206	—·040	73·8	44·5	81	38	64·8	71·5	58·0	+0·7	..	54·0	55·5	..	38·3	6·2	—3·3
	March	·213	·121	..	·164	+·032	83·9	56·0	98	47	75·3	81·3	69·2	+0·2	..	61·0	62·9	..	50·4	5·6	—3·6
	April	·061	28·966	..	·010	+·010	97·9	65·5	106	58	89·3	96·0	81·3	+0·4	..	66·8	67·2	..	58·9	6·6	—2·8
	May	28·951	·860	..	28·903	+·033	101·3	70·7	116	62	93·8	99·4	85·7	—3·2	..	68·6	68·9	..	64·6	6·1	—2·9
	June	·752	·658	..	·701	—·037	107·8	82·2	116	69	98·6	107·0	94·6	+1·6	..	75·7	75·0	..	77·7	4·5	—2·0
	July	·759	·656	..	·707	—·026	98·6	81·5	113	72	91·4	96·3	89·2	+0·1	..	80·2	80·8	..	80·5	1·0	—3·0
	August	·887	·763	..	·820	+·021	96·4	78·9	103	67	89·6	94·5	86·8	—0·3	..	79·3	80·8	..	77·0	1·9	—2·2
	September	·932	·833	..	·874	—·063	100·2	74·9	106	67	92·0	98·7	86·5	+1·7	..	76·9	77·1	..	71·4	3·5	—3·1
	October	29·154	29·064	..	29·099	—·015	93·7	61·0	102	49	85·4	89·7	75·9	+0·2	..	66·3	69·2	..	55·2	5·8	—4·0
	November	·283	·198	..	·232	—·019	83·5	46·1	88	43	72·9	76·8	62·8	—0·4	..	57·3	61·3	..	40·7	5·4	—5·3
	December	·360	·263	..	·302	—·018	69·9	40·5	79	33	59·4	65·3	53·0	—1·6	..	50·6	54·5	..	34·1	6·4	—3·7
	Year	29·084	28·988	..	29·029	—·007	89·8	62·1	116	33	81·1	87·1	74·9	+0·2	..	65·9	67·5	..	57·3	4·8	—3·4
Srinagar (Kashmir) (5,204).	January*	25·102	25·020	..	25·054	+·095	41·9	27·4	55	1	34·0	39·7	32·8	+2·1	26·0	32·3	36·1	31·5	24·4	3·0	—4·1
	February*	24·926	24·843	..	24·880	—·025	47·9	30·5	55	22	38·5	46·1	37·7	+4·7	28·4	35·8	39·6	34·6	25·8	4·7	—2·5
	March*	·967	·881	..	·920	+·048	58·6	41·0	69	36	49·8	57·0	48·9	+3·5	38·3	46·0	50·8	45·1	36·3	4·7	—3·6
	April*	·902	·815	..	·856	+·004	72·7	45·8	82	40	61·5	69·8	58·6	+2·8	42·5	53·5	56·9	50·9	39·7	6·1	—2·6
	May	·843	·773	..	·809	+·027	73·1	50·0	90	44	63·2	69·2	61·1	—3·0	46·7	56·4	58·0	53·7	45·3	4·7	—4·7
	June	·703	·632	..	·666	+·002	85·2	57·8	93	53	73·9	82·1	70·8	+0·2	53·4	63·1	65·8	60·8	52·9	4·9	—4·5
	July	·614	·517	..	·566	—·032	89·3	67·0	98	59	77·9	87·2	76·9	+3·4	63·0	70·6	72·7	68·8	63·9	3·1	—5·9
	August	·712	·627	..	·670	+·034	87·5	62·4	94	50	74·9	83·8	73·3	+1·9	59·2	67·8	70·5	65·8	59·9	2·5	—5·9
	September	·769	·656	..	·710	—·061	88·2	51·9	92	45	72·8	84·3	68·5	+2·9	48·6	61·8	66·4	58·9	48·2	3·7	—6·3
	October	·965	·867	..	·911	+·008	72·5	39·9	85	31	60·0	64·9	54·7	0·	37·1	50·9	53·7	47·2	35·2	4·7	—5·3
	November	25·006	·881	..	·938	—·026	65·4	28·0	72	23	49·3	58·0	44·7	—0·4	25·5	41·0	46·6	37·7	22·6	5·4	—4·5
	December	·012	·912	..	·953	—·036	47·8	23·3	59	13	34·6	42·6	33·5	—2·9	21·9	31·9	37·0	30·3	17·9	5·4	—3·5
	Year†	24·877	24·785	..	24·828	+·003	69·2	43·7	98	1	57·5	64·9	55·1	+1·2	40·9	50·9	54·3	48·8	39·3	4·4	—4·5

* Afternoon observations were recorded at 16 hrs. (L. M. T.).
† The annual means have been derived after reducing the 16 hrs. readings from January to April to 17 hrs.

TABLE D-1 FOR 1932—*contd.*

and 17 hrs. (I. S. T.).

Vapour tension in inches of mercury.					Humidity.					Cloud.			Wind direction.										Wind velocity.	
													Total number of 10 hrs. and 17 hrs. winds from											
From minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 17 hrs.	Mean of two previous columns.	Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Mean wind direction.	Mean velocity in miles per diem.	Departure from normal.
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
..	·319	·324	·309	+·040	..	66	48	66	—4	3·0	3·5	3·2	43	1	3	1	4	1	0	1	8	N 8° W	19	—11
..	·275	·229	·247	—·040	..	45	30	50	—12	1·3	2·7	2·0	17	1	8	2	4	0	1	5	20	N 28° W	37	—2
..	·345	·326	·340	—·020	..	39	31	47	—7	3·8	4·0	3·9	16	2	8	2	6	2	2	4	20	N 29° W	46	—5
..	·355	·279	·344	—·051	..	26	16	33	—8	2·5	2·5	2·5	11	4	4	1	8	4	4	2	22	N 48° W	38	—18
..	·359	·296	·345	—·109	..	23	16	29	—7	2·9	2·5	2·7	15	2	8	2	5	1	6	0	23	N 31° W	50	—6
..	·577	·434	·534	—·093	..	31	18	34	—10	1·5	0·9	1·2	14	1	4	0	7	4	6	2	22	N 66° W	46	—17
..	·877	·838	·871	+·008	..	60	49	63	—2	5·2	5·2	5·2	17	0	1	3	26	3	3	0	9	S 39° E	54	—6
..	·859	·862	·880	—·004	..	62	53	66	—5	4·9	3·9	4·4	28	2	6	1	6	1	6	4	8	N 61° W	37	—12
..	·719	·637	·682	—·036	..	48	35	52	—9	0·5	0·6	0·6	33	1	2	0	9	3	5	2	5	N 10° W	33	—4
..	·390	·437	·405	—·040	..	23	31	46	—6	1·5	1·5	1·5	40	1	5	2	5	0	1	0	8	N 25° E	18	—10
..	·263	·335	·281	—·035	..	32	36	49	—8	0·5	1·6	1·1	52	1	0	0	1	0	0	2	4	N 38° W	8	—15
..	·252	·281	·248	—·023	..	49	45	59	—4	3·3	3·8	3·5	38	2	4	1	6	0	1	2	8	N 3° W	18	—5
..	·466	·440	·457	—·034	..	41	34	49	—7	2·6	2·7	2·7	324	18	53	15	87	19	35	24	157	..	34	—9
·129	·165	·174	·158	0	85	85	73	83	—1	8·2	7·0	7·6	21	7	2	0	8	2	2	8	12	N 53° W	34	—20
·137	·180	·171	·166	—·008	79	78	56	74	—9	5·5	5·4	5·5	18	1	4	0	9	2	0	11	13	N 67° W	49	—12
·203	·270	·306	·267	+·012	79	76	66	76	—5	6·2	6·7	6·5	7	2	1	1	13	3	5	11	19	N 89° W	66	—18
·233	·320	·320	·300	—·030	75	60	46	61	—17	3·5	4·5	4·0	29	2	0	2	6	3	1	7	10	N 83° W	60	—24
·286	·386	·368	·353	—·089	78	67	55	76	—2	4·0	6·4	5·2	25	5	5	0	4	1	3	3	16	N 36° W	60	—15
·357	·451	·444	·428	—·107	75	54	40	65	—14	2·6	4·5	3·5	39	2	2	2	5	1	1	2	6	N	49	—17
·528	·661	·632	·604	—·035	80	70	49	73	—8	3·7	3·4	3·5	41	2	4	0	5	3	0	1	6	N 23° E	45	—14
·466	·596	·589	·548	—·065	83	70	51	77	—3	3·4	4·6	4·0	42	1	2	1	6	0	0	3	7	N 27° W	44	—19
·308	·428	·442	·390	—·108	79	53	38	67	—13	0·6	1·7	1·1	42	3	0	0	4	1	2	4	4	S 85° W	40	—18
·194	·272	·285	·243	—·059	78	53	47	71	—8	2·2	5·0	3·6	27	9	3	1	5	1	1	7	8	N 31° W	39	—14
·114	·166	·190	·146	—·087	78	47	40	65	—14	1·5	2·5	2·0	38	4	4	0	4	0	0	6	4	N 25° W	29	—16
·108	·152	·159	·127	—·049	82	77	58	81	0	5·0	4·7	4·9	34	4	0	1	5	3	2	4	9	N 72° W	40	—5
·255	·337	·341	·311	—·052	79	66	52	72	—8	3·9	4·7	4·3	363	42	27	8	74	20	17	67	114	..	46	—16

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Station and Height of bar cistern above sea level in feet.	Month.	Pressure (Reduced to 32°F. and Standard gravity)					Temperature of Air.								Temperature wet bulb.		Nocturnal radiation temperature.	
		Mean 10 hrs.	Mean 17 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 17 hrs.	Mean.	Depression below mean minimum.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Peshawar (N.-W. F. P.) (1,164).	January	28·942	28·845	..	28·883	+·018	69·1	42·7	76	32	59·4	65·8	54·1	+3·6	50·6	54·4	34·9	7·8
	February	·823	·733	..	·769	—·049	69·3	43·3	77	37	60·3	66·3	55·4	+1·4	49·4	52·2	34·4	8·9
	March	·789	·696	..	·740	+·013	76·1	54·1	87	48	69·6	74·4	64·8	+1·4	59·1	61·5	45·3	8·8
	April	·651	·540	..	·591	—·019	91·4	63·0	100	56	82·4	88·6	69·9	—3·5	64·4	66·4	51·7	11·3
	May	·530	·434	..	·479	+·018	96·1	69·7	113	58	89·3	93·7	82·6	—0·6	66·6	68·0	58·6	11·1
	June	·311	·212	..	·257	—·045	107·4	80·1	113	74	96·6	104·9	93·3	+3·0	72·1	72·8	(b) 69·3	10·8
	July	·288	·171	..	·228	—·044	101·3	81·2	114	75	92·7	95·6	90·4	+0·8	79·4	79·7	76·9	4·3
	August	·418	·309	..	·358	+·016	97·7	78·8	103	72	90·1	95·3	87·4	+0·3	78·4	79·4	(a) 75·0	3·8
	September	·479	·355	..	·459	—·040	98·4	73·3	103	66	89·5	95·6	84·9	+3·0	72·4	72·9	65·2	8·1
	October	·719	·590	..	·645	—·045	89·7	60·4	101	51	81·7	85·4	73·7	+1·4	62·7	64·8	(a) 50·4	10·0
	November	·829	·729	..	·770	—·045	81·3	48·2	87	45	71·5	75·0	62·7	+2·3	54·7	58·2	37·5	10·7
	December	·898	·802	..	·840	—·042	69·3	38·7	83	31	57·3	62·8	51·8	0	46·6	50·1	30·3	8·4
	Year	28·640	28·535	..	28·585	—·022	87·3	61·1	114	31	78·4	83·6	72·6	+1·1	63·0	65·0	52·5	8·7
Quetta (Baluchistan) (5,407).	January	24·830	24·742	..	24·775	+·077	58·4	29·8	75	13	48·7	55·0	43·4	+3·4	38·5	41·6	..	..
	February	·705	·625	..	·658	—·024	58·1	27·1	69	17	48·3	56·0	42·4	—0·4	35·2	39·7	..	..
	March	·716	·642	..	·672	+·010	65·7	40·6	78	28	57·6	62·7	53·4	+0·3	45·9	46·9	..	..
	April	·696	·610	..	·646	+·012	78·1	47·8	88	39	71·1	75·4	63·5	+1·5	50·9	52·0	..	..
	May	·636	·568	..	·595	+·006	83·8	54·3	97	39	77·3	82·1	69·2	—1·0	55·0	54·0	..	..
	June	·500	·434	..	·462	—·015	93·2	62·2	99	53	85·4	91·5	76·9	+0·5	57·2	57·4	..	..
	July	·428	·347	..	·388	—·038	93·9	69·7	101	63	85·7	90·1	81·4	—1·2	65·7	65·7	(d) 64·5	5·5
	August	·541	·465	..	·502	+·022	92·9	62·4	99	56	83·4	90·6	77·6	+0·1	59·3	60·6	(b) 56·9	6·1
	September	·620	·540	..	·573	—·021	87·5	52·3	94	45	76·1	85·6	69·5	+0·1	51·1	54·6	(e) 45·9	6·1
	October	·767	·688	..	·717	—·007	74·0	39·6	81	25	64·3	71·4	56·8	—1·2	45·4	47·4	(g) 35·7	3·9
	November	·803	·722	..	·753	—·011	66·3	30·5	75	25	55·0	64·2	47·9	—0·6	40·0	43·7	(f) 25·3	5·2
	December	·811	·729	..	·758	+·009	52·4	27·0	61	13	42·3	49·2	38·8	—4·1	(g) 36·2	38·2	(e) 17·6	9·4
	Year	24·671	24·593	..	24·625	+·002	75·4	45·4	101	13	66·3	72·8	60·1	0	48·2	50·1	..	..

(a) Mean of 30 days. (b) Mean of 29 days. (d) Mean of 27 days. (e) Mean of 26 days. (f) Mean of 25 days. (g) Mean of 24 days.

TABLE D-1 FOR 1932—*contd.*

(*L. M. T.*) *and 17 hrs* (*I. S. T.*).

Vapour tension in inches of mercury.		Humidity.		Cloud.			Wind direction.										Wind velocity	
							Total number of 10 hrs. and 17 hrs. winds from											
Mean 10 hrs.	Mean 17 hrs.	Mean 10 hrs.	Mean 17 hrs.	Mean 10 hrs.	Mean 17 hrs.	Mean of two previous columns.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Mean wind direction.	Mean velocity in miles per diem.	Departure from normal.
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
·259	·282	52	44	5·7	6·2	5·9	37	2	3	4	10	3	2	0	1	S 59° E	36	—8
·215	·217	41	34	4·0	4·5	4·3	20	7	4	7	8	3	3	0	6	N 68° E	47	—9
·371	·383	51	45	6·6	7·6	7·1	28	7	0	8	4	2	3	1	9	N 19° E	53	—10
·379	·370	35	28	4·1	6·2	5·1	9	9	10	7	5	1	2	2	15	N 19° E	47	—23
·368	·362	27	23	3·2	4·5	3·9	13	7	15	5	7	4	2	3	6	N 46° E	68	—12
·479	·403	28	18	2·7	4·6	3·7	3	11	12	13	4	3	4	1	9	N 40° E	76	—1
·833	·809	55	48	5·1	4·2	4·7	2	12	15	16	3	0	3	3	8	N 37° E	71	—1
·822	·800	58	48	3·4	4·9	4·1	3	24	23	6	1	0	2	1	2	N 26° E	63	0
·580	·521	42	32	0·5	3·3	1·9	9	17	15	8	0	1	1	1	8	N 20° E	52	+3
·332	·355	31	29	1·3	3·5	2·4	31	5	13	5	3	1	0	0	4	N 44° E	47	+7
·220	·276	30	32	1·9	2·4	2·1	42	3	5	6	2	2	0	0	0	N 75° E	41	+6
·190	·208	42	37	4·9	4·1	4·5	34	5	2	5	4	3	6	1	2	S 49° E	43	+3
·421	·415	41	35	3·6	4·7	4·1	231	109	117	90	51	23	28	13	70	..	54	—3
·118	·110	34	26	0·6	0·7	0·7	21	5	0	2	4	8	1	17	4	S 76° W	107	+56
·057	·059	17	13	2·0	3·7	2·9	20	3	0	0	0	10	0	21	4	S 80° W	108	+47
·175	·140	37	25	5·3	6·5	5·9	16	3	1	1	4	16	3	17	1	S 43° W	109	+39
·141	·117	19	13	3·2	4·5	3·9	13	3	1	2	2	12	1	18	8	S 71° W	92	+31
·122	·094	13	9	2·4	3·5	2·9	6	5	1	1	2	5	3	23	16	N 76° W	128	+70
·142	·078	12	5	0·3	2·1	1·2	23	3	0	0	2	1	1	18	12	N 72° W	72	+19
·399	·346	33	24	5·1	6·9	6·0	17	6	4	0	3	17	3	8	4	S 40° W	110	+52
·223	·181	20	13	1·5	3·4	2·5	23	11	0	1	0	3	3	15	6	N 63° W	94	+47
·087	·069	10	6	0	0·4	0·2	18	10	1	0	0	0	1	21	9	N 59° W	89	+50
·087	·052	15	6	0·9	1·1	1·0	22	12	0	0	0	0	0	14	14	N 47° W	79	+45
·076	·051	18	8	1·6	1·3	1·5	26	7	0	0	0	2	0	11	14	N 55° W	55	+20
(g) ·128	·105	(g) 45	30	4.3	4·6	4·5	21	11	0	0	0	5	3	11	11	N 61° W	58	+18
·147	·117	23	15	2·3	3·2	2·8	226	79	8	7	17	79	19	194	103	..	92	+41

(g) Mean of 24 days.

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Station and height of barometer cistern above sea-level in feet.	Month.	Pressure (Reduced to 32° F. and standard gravity.)					Temperature of air.								Temperature wet bulb.			
		Mean 10 hrs.	Mean 17 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of three previous columns.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Jaipur (Rajputana) (1,431).	January	28·665	28·551	..	28·597	+·059	81·9	52·7	89	45	72·2	78·6	65·9	+6·0	..	57·1	59·4	..
	February	·541	·434	..	·476	—·016	80.3	50·5	89	43	71·5	78·1	64·3	+0·1	..	53·9	56·1	..
	March	·517	·399	..	·450	+·043	90·7	61·3	100	51	82·5	88·3	75·0	+0·7	..	62·3	63·3	..
	April	·406	·289	..	·342	+·041	99·9	69·2	106	59	92·0	97·3	84·5	—1·8	..	66·4	66·4	..
	May	·268	·151	..	·207	+·009	106·9	77·0	118	69	98·9	104·1	91·2	—0·4	..	69·0	69·1	..
	June	·149	·043	..	·099	+·012	105·5	82·3	112	77	96·1	102·3	93·3	+2·7	..	75·4	74·4	..
	July	·095	27·994	..	·046	—·023	93·9	78·2	107	72	88·4	89·8	84.9	+0·2	..	78·8	78·3	..
	August	·234	28·144	..	·191	+·058	89·3	74·2	101	71	83·4	86·6	80·1	—2·2	..	76·1	77·0	..
	September	·259	·153	..	·203	—·055	96·1	74·6	104	69	88·3	93.3	83·8	+1·4	..	75·2	75·1	..
	October	·468	·365	..	·410	—·003	96·0	65·3	102	58	89·1	92·2	79·3	+1·4	..	66·7	66·3	..
	November	·575	·476	..	·515	—·001	86·6	50·5	91	45	79·9	81·3	66·9	—2·0	..	57·9	59·4	..
	December	·620	·517	..	·556	—·008	78·4	48·7	86	37	70·2	73·2	61·6	+0·1	..	54·2	56·3	..
	Year	28·400	28·293	..	28·341	+·010	92·1	65·5	118	37	84·4	88·8	77·6	+0·5	..	66·1	66·8	..
Bombay (Bombay) (37).	January	30·002	29·887	..	29·947	+·053	88·3	69·2	93	68	76·7	82·0	78·0	+4·2	65·5	69·1	72·7	69·1
	February	29·920	·817	..	·871	—·001	84·6	69·2	93	65	76·8	80·4	76·0	+1·9	63·8	68·3	70·0	67·4
	March	·883	·757	..	·815	—·001	88·6	73·5	96	70	82·2	84·0	79·4	+2·2	68·9	72·6	74·1	71·9
	April	·835	·719	..	·776	+·025	89·5	77·4	94	75	84·8	85·2	82·4	+1·2	73·6	76·7	76·7	75·7
	May	·731	·627	..	·678	—·035	92·2	80·1	95	77	87 3	87·9	85·1	+1·3	76·5	79·2	79·5	78·4
	June	·689	·614	..	·651	+·039	90·2	79·3	94	73	85·1	86·4	83·5	+1·7	75·6	78·9	79·2	77·9
	July	·590	·522	..	·555	—·056	85.3	76·9	90	73	81·7	82·0	79·6	+0·5	75·0	78·3	78·3	77·2
	August	·715	·631	..	·670	+·002	86·5	77·3	90	75	82·0	82·8	80·8	+1·8	75·4	77·9	78·0	77·1
	September	·730	·639	..	·681	—·049	87·4	77·4	92	73	82·7	83·4	81·3	+2·4	75·0	78·1	78·2	77·1
	October	·805	·698	..	·747	—·039	90·4	78·2	95	73	84·0	85·9	83·0	+2·6	74·8	78·2	78·9	77·3
	November	·867	·763	..	·808	—·044	90·4	74·2	95	70	81·2	84·2	81·5	+2·1	69·3	72·8	74·2	72·1
	December	·956	·845	..	·893	+·001	87·4	70·1	93	64	77·4	81·5	78·0	+1·5	65·7	69·2	71·7	68·9
	Year	29·810	29·710	..	29·758	—·008	88·4	75·2	96	64	81·8	83·8	80·7	+1·9	71·6	74·9	76·0	74·2

TABLE D-1 FOR 1932—*contd.*

(L. M. T.) and 17 hrs. I. S. T.

Nocturnal Radiation Temperature.		Vapour Tension in Inches of Mercury.					Humidity.					Cloud.			Wind Direction. Total number of 10 hrs. and 17 hrs. winds from										Wind Velocity.	
Mean.	Depression below mean minimum.	From minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means	Departure from normal.	From minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means	Departure from normal.	Mean 10 hrs.	Mean 17 hrs.	Mean of two previous columns.	Calm.	N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.	Mean wind direction.	Mean velocity in miles per diem.	Departure from normal.
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
42·4	10·3	..	·279	·268	·278	+·010	..	36	27	44	−12	1·3	1·8	1·5	14	2	5	8	3	7	5	9	9	S 81° W	39	−19
39·3	11·2	..	·198	·178	·191	−·071	..	26	18	35	−12	1·7	1·5	1·6	4	3	3	8	3	7	7	15	8	S 75° W	53	−13
52·1	9·2	..	·310	·269	·290	−·015	..	28	20	35	−4	0·7	2·0	1·3	6	3	1	2	5	5	11	12	17	S 89° W	58	−21
59·8	9·4	..	·328	·260	·305	−·028	..	22	14	27	−3	0·8	1·7	1·3	2	3	2	1	0	2	18	22	10	S 85° W	63	−25
68·9	8·1	..	·332	·271	·311	−·137	..	18	12	24	−11	0·5	1·5	1·0	14	5	3	2	0	5	8	14	11	N 80° W	69	−41
79·2	4·1	..	·618	·496	·566	−·090	..	36	24	39	−13	0·5	1·8	1·1	2	2	5	1	0	0	14	32	4	S 88° W	118	−1
76·0	2·2	..	·862	·822	·842	+.008	..	65	59	70	−6	5·6	6·4	6·0	6	2	9	10	4	5	9	10	7	S 64° W	61	−34
71·7	2.5	..	·806	·808	·808	−·008	..	71	64	75	−3	6·7	5·8	6·3	9	2	3	2	3	1	17	19	6	S 77° W	52	−30
69·1	5·5	..	·707	·640	·690	−·002	..	53	41	60	−9	2·9	3·0	2·9	1	8	8	4	0	0	2	21	16	N 46° W	62	−12
54·0	11·3	..	·372	·320	·345	−·057	..	28	21	39	−7	0·9	1·4	1·1	21	3	2	3	1	5	11	8	8	S 78 W	29	−25
37·3	13·2	..	·187	·214	·188	−·109	..	18	20	33	−14	0·2	0·3	0·3	29	7	4	5	2	4	1	2	6	N 2° E	23	−24
35·7	13·0	..	·211	·233	·205	−·062	..	29	28	42	−11	1·3	1·8	1·5	22	4	7	8	3	1	2	8	7	N 4° E	42	−9
57·1	8·3	..	·434	·398	·418	−·047	..	36	29	44	−9	1·9	2·4	2·2	130	44	52	54	24	42	105	172	109	..	56	−21
..	..	·576	·609	·677	·628	+·037	81	66	62	72	0	1·1	0·8	1·0	0	11	11	17	2	1	0	1	19	N 20° E	124	−50
..	..	·518	·577	·592	·571	−·048	75	63	57	67	−4	1·4	0·6	1·1	0	15	4	13	7	1	0	5	13	N 18° E	154	−29
..	..	·614	·671	·707	·682	−·055	79	61	61	69	−6	0·6	0·5	0·6	0	30	2	7	3	2	1	0	17	N 4° W	173	−18
..	..	·776	·809	·802	·801	−·010	83	68	66	73	−4	2·8	2·5	2·6	0	21	0	1	0	0	9	7	22	N 42° W	173	−12
..	..	·861	·886	·891	·880	−·009	84	69	68	76	0	2·9	3·2	3·1	0	7	0	0	0	2	7	13	33	N 62° W	159	−18
..	..	·837	·903	·898	·873	−·030	84	76	72	78	−5	5·9	6·8	6·4	0	3	0	0	0	6	13	25	13	S 85° W	167	−99
..	..	·842	·922	·917	·891	−·030	91	85	84	88	+1	9·2	9·4	9·3	0	1	0	0	0	1	10	40	10	N 89° W	218	−122
..	..	·854	·896	·891	·877	−·008	91	82	80	84	−3	7·6	7·9	7·8	0	15	0	1	1	0	1	21	23	N 51° W	165	−105
..	..	·836	·901	·892	·871	−·001	89	81	78	83	−3	6·5	7·5	7·1	0	6	1	1	4	3	5	9	31	N 57° W	160	−29
..	..	·817	·889	·891	·866	+·014	85	77	72	79	−2	5·3	6·5	5·8	0	11	2	15	7	3	3	6	15	N 11° E	123	−36
..		·653	·697	·709	·691	−·025	77	65	61	69	−4	2·1	3·2	2·5	0	11	5	19	5	1	0	1	18	N 29° E	125	−43
..	..	·576	·608	·644	·613	−·026	73	64	60	68	−4	0·6	0·9	0·7	0	15	4	16	9	0	0	1	17	N 28° E	140	−30
..	..	·733	·781	·793	·771	−·021	83	71	68	75	−3	3·9	4·1	4.0		146	29	90	38	20	49	129	231	..	157	−49

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Abstract of observations taken at 10 hrs.

Station and height of bar-cistern above sea level in feet.	Month.	Pressure (Reduced to 32°F. and Standard gravity.) Mean 10 hrs.	Mean 17 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Temperature of Air. Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Temperature Wet Bulb. Mean 10 hrs.	Mean 17 hrs.	Nocturnal Radiation Temperature. Mean.	Depression below mean minimum.	Vapour tension of mer Mean 10 hrs.	Mean 17 hrs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Poona (Bombay) (1,834).	January*	28·226	28·088	..	28·155	+·077	86·5	50·5	94	48	75·4	84·6	68·2	—1·1	60·2	62·1	43·0	7·5	·332	·277
	February*	·124	27·931	..	·053	+·004	87·2	53·8	92	46	76·4	85·4	70·[illegible]	—3·2	59·8	62·0	45·0	8·8	·307	·263
	March	·088	·941	..	·015	+·015	96·1	61·8	102	56	86·4	93·0	78·2	—1·6	63·3	64·9	53·2	8·6	·293	·264
	April	·029	·900	..	27·967	+·026	98·3	68·8	104	61	90·3	92·5	81·8	—2·1	66·6	68·7	60·6	8·2	·356	·402
	May	27·931	·815	..	·880	—·026	99·0	72·2	105	64	89·9	93·3	83·8	—0·1	70·9	72·2	66·2	6·0	·517	·524
	June	·895	·818	..	·864	+·033	87·9	73·2	93	69	83·1	83·4	78·4	—0·7	72·1	71·9	69·5	3·7	·648	·636
	July	·809	·737	..	·772	—·050	81·1	71·6	91	68	77·8	77·7	74·5	—0·9	72·4	71·9	69·5	2·1	·725	·707
	August	·922	·829	..	·877	+·010	84·4	70·7	95	68	79·5	81·1	75·5	+1·3	73·1	73·4	68·2	2·5	·732	·725
	September	·935	·837	..	·887	—·041	84·8	69·6	94	65	79·8	80·0	75·1	+0·4	72·3	72·2	66·5	3·1	·697	·690
	October	28·028	·912	..	·970	—·028	83·8	69·0	93	61	82·2	82·8	77·6	+1·3	72·3	72·3	65·7	3·3	·667	·659
	November	·089	·974	..	28·030	—·022	86·4	60·1	92	49	78·8	82·8	72·9	+0·8	65·5	66·8	54·9	5·2	·461	·456
	December	·164	28·039	..	·099	+·005	85·7	51·8	89	45	75·5	82·3	68·5	+0·1	61·7	63·4	43·9	7·9	·377	·346
	Year†	28·020	27·907	..	27·964	0	88·9	64·4	105	45	81·3	84·8	75·4	—0·5	67·5	68·4	58·9	5·6	·509	·495
Bangalore (Mysore) (3,021).	January*	27·031	26·915	..	26·971	+·053	81·4	55·8	86	52	72·7	79·2	67·6	+0·1	59·5	61·0	51·5	4·3	·344	·291
	February*	26·960	·825	..	·890	—·011	85·9	61·4	89	56	76·3	84·3	73·0	+1·0	64·2	65·1	57·1	4·3	·449	·379
	March	·947	·811	..	·878	+·014	90·8	64·3	97	57	81·0	88·5	76·6	—0·1	64·6	63·9	59·5	4·8	·403	·287
	April	·887	·754	..	·826	+·016	95·4	71·0	99	69	84·7	90·4	81·9	+2·0	70·7	67·7	67·4	3·6	·574	·393
	May	·807	·699	..	·758	—·017	90·4	69·7	99	65	81·5	84·8	78·4	—0·1	71·1	70·7	67·0	2·7	·628	·574
	June	·809	·712	..	·766	+·011	85·9	67·0	92	64	78·3	81·4	74·7	+0·7	69·3	68·7	65·7	1·3	·602	·542
	July	·759	·686	..	·729	—·031	81·6	66·9	87	65	75·2	77·8	72·4	+0·4	68·5	69·0	65·5	1·4	·612	·597
	August	·813	·712	..	·770	—·006	84·1	67·5	89	64	77·0	80·5	73·9	+2·1	70·1	70·7	65·2	2·3	·647	·626
	September	·835	·732	..	·787	—·019	82·7	65·7	88	63	75·7	79·1	72·4	+0·6	68·3	69·3	64·1	1·6	·597	·591
	October	·877	·775	..	·826	—·013	82·3	66·9	86	65	76·7	76·3	73·1	+1·3	70·2	69·6	63.5	3·4	·655	·638
	November	·900	·809	..	·852	—·027	80·2	64·5	85	58	74·6	75·3	71·3	+1·7	67·3	67·6	58·9	5·6	·576	·578
	December	·930	·886	..	·929	+·015	79·9	59·3	84	52	72·4	76·0	68·7	+1·2	63·3	63·4	55·8	3·5	·468	·426
	Year†	26·884	26·777	..	26·832	—·01	85·1	65·0	99	52	77·2	81·1	73·7	+0·9	67·3	67·2	61·8	3·2	·546	·494

*Afternoon observations were recorded at 16 hrs. (L. M. T.)

† The annual means have been derived after reducing the 16 hrs. readings of January and February to 17 hrs. I. S. T.

TABLE D-1 FOR 1932—*contd.*

(L M T.) and 17 hrs. (I. S. T.)

IN INCHES CURY.		HUMIDITY.				CLOUD.			WIND DIRECTION. Total number of 10 hrs. and 17 hrs. winds from										WIND VELOCITY.	
Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 17 hrs.	Mean of two previous columns.	Calm.	N.	N.E.	E.	S.E.	S.E.	S.W.	W.	N.W.	Mean wind direction.	Mean velocity in miles per diem.	Departure from normal.
22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
·302	—	38	23	31	—	0·9	0·8	0·8	1	2	20	22	16	0	1	0	0	N 84° E	53	—
·296	—	34	21	27	—	1·7	1·5	1·6	3	6	8	11	4	0	2	9	15	N 5° W	86	—
·337	—	23	17	37	—	0·5	1·8	1·1	3	6	10	16	5	1	1	11	9	N 31° E	82	—
·428	—	26	27	43	—	2·4	4·6	3·5	2	3	6	4	3	4	3	18	17	N 64° W	107	—
·574	—	37	34	52	—	2·8	4·0	3·4	5	5	8	1	1	1	4	28	9	N 67° W	155	—
·655	—	57	56	67	—	6·1	7·4	6·7	0	1	0	0	0	0	13	40	6	S 86° W	224	—
·709	—	77	76	82	—	9·1	9·3	9·2	2	0	1	0	0	0	13	43	3	S 83° W	208	—
·728	—	73	68	79	—	7·5	8·3	7·9	6	3	3	1	2	0	7	32	8	N 83° W	139	—
·694	—	69	68	78	—	6·7	7·3	7·0	6	1	0	3	3	0	2	39	6	N 88° W	121	—
·692	—	61	59	74	—	6·0	8·2	7·1	9	1	8	18	7	5	2	5	7	N 89° E	52	—
·481	—	47	41	59	—	3·6	4·8	4·2	13	1	8	25	13	0	0	0	0	S 86° E	50	—
·372	—	43	31	52	—	0·9	1·0	0·9	4	1	15	27	5	2	0	4	4	N 76° E	52	—
·522	—	49	43	57	—	4·0	4·9	4·5	54	30	87	123	59	13	48	229	84	..	111	—
·321	—·087	43	31	39	—23	1·6	1·4	1·5	0	0	26	36	0	0	0	0	0	N 71° E	108	+15
·419	+·012	50	34	43	—11	2·2	3·3	2·8	4	4	11	16	10	2	6	4	1	S 88° E	72	—16
·376	—·071	38	22	39	—11	1·8	2·8	2·3	4	2	10	21	11	5	7	1	1	S 75° E	83	—3
·510	—·045	48	28	48	—7	3·5	6·0	4·8	1	7	11	11	3	3	7	10	7	N 5° W	72	—12
·627	+·022	58	48	62	—1	6·9	8·5	7·7	3	4	4	6	4	4	11	17	9	S 86° W	102	—8
·579	—·044	62	51	65	—9	7·8	8·4	8·1	0	0	0	0	1	1	13	37	8	S 84° W	159	—4
·617	+·010	70	63	73	—4	9·4	9·1	9·3	0	1	0	0	1	1	18	37	4	S 78° W	182	+14
·643	+·030	70	60	72	—7	7·8	8·4	8·1	4	4	6	6	5	2	5	21	9	N 72° W	84	—61
·600	—·023	68	60	71	—9	8·5	8·5	8·5	2	1	0	1	0	1	9	35	11	N 88° W	116	—8
·657	+·049	71	70	78	0	8.0	8·7	8·3	6	3	13	14	7	4	5	8	2	N 86° E	59	—23
·593	+·054	68	66	76	+1	7·0	6·6	6·8	2	8	13	15	6	5	1	3	7	N 58° E	73	—15
·468	+·002	59	48	63	—7	3·6	3·5	3·5	2	9	24	20	6	0	1	0	0	N 62° E	77	—19
·534	—·008	59	48	61	—7	5·7	6·3	6·0	28	43	118	146	54	28	83	173	59	..	99	—12

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Abstract of observations taken at 10 hrs.

Station and height of barcistern above sea-level in feet.	Month.	Pressure (Reduced to 32° F. and Standard gravity).					Temperature of Air.								Temperature wet bulb.		Nocturnal Radiation temperature.	
		Mean 10 hrs.	Mean 17 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 17 hrs.	Mean.	Depression below mean minimum.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Madras (Madras) (22).	January	30·043	29·938	..	29·984	+·058	83·5	67·7	85	64	79·3	79·0	74·8	—0·5	71·0	70·2	61·0	6·7
	February	29·945	·828	..	·880	—·016	86·4	69·4	92	63	82·0	81·3	77·0	+0·4	73·0	72·6	63·9	5·5
	March	·908	·794	..	·848	+·013	88·8	70·7	94	66	85·1	83·7	78·2	—1·3	73·8	74·3	65·4	5·3
	April	·817	·695	..	·761	+·006	92·2	76·5	102	72	89·1	86·0	83·3	—0·3	78·1	78·9	72·4	4·1
	May	·707	·597	..	·659	—·004	94·2	80·2	107	86	91·0	87·5	86·1	—2·1	78·8	79·5	75·2	5·0
	June	·669	·557	..	·622	—·007	99·1	82·0	107	74	92·3	91·7	89·3	+1·5	76·5	78·9	76·0	6·0
	July	·652	·537	..	·606	—·042	96·1	80·0	100	76	88·0	91·5	86·5	+1·3	76·1	77·5	73·3	6·7
	August	·727	·619	..	·681	+·005	91·1	78·1	97	73	87·2	86·3	83·5	—0·5	78·0	78·7	71·3	6·8
	September	·735	·614	..	·680	—·027	92·9	77·5	97	72	86·9	87·6	84·1	+0·7	76·5	78·3	68·9	8·6
	October	·810	·700	..	·755	—·020	86·9	76·1	93	71	83·7	82·9	80·2	—0·4	77·9	78·2	67·9	8·2
	November	·846	·748	..	·792	—·064	84·5	73·7	89	69	80·9	80·2	78·3	+0·5	76·2	76·5	67·8	5·9
	December	·967	·867	..	·912	+·002	82·9	69·6	85	65	79·6	78·6	75·5	—0·1	73·7	72·7	62·2	7·4
	Year	29·819	29·[illegible]08	..	29·765	—·008	89·9	75·1	107	63	85·5	81·7	81·4	0	75·8	76·4	68·8	6·3
Kodaikanal (Madras) (7,638).	January*	22·856	22·780	...	22·813	+·043	62·2	43·9	66	40	57·6	55·9	52·2	—0·3	46·5	48·9	35·1	8·8
	February*	·832	·755	..	·787	+·006	63·4	47·2	72	43	59·6	57·3	54·4	+0·8	50·8	52·9	38·7	8·5
	March	·835	(a) ·768	..	·793	+·010	65·5	49·1	70	42	61·6	59·0	56·3	+0·1	49·3	52·9	41·6	7.5
	April	·826	·756	..	·790	+·027	67·6	52·9	72	50	64·4	60·6	59·3	+0·4	55·4	56·5	47·0	5·9
	May	·755	·692	..	·723	—·019	65·7	53·8	71	51	62·2	59·5	58·8	—0·9	56·2	56·9	50·4	3·4
	June	·751	·692	..	·719	+·019	65·3	53·3	70	51	62·5	59·2	58·5	+1·6	56·7	56·6	49·7	3·6
	July	·708	·656	..	·681	—·006	62·2	52·5	66	50	58·9	56·9	56·2	+1·0	54·9	54·7	49·6	2·9
	August	·743	·676	..	·711	+·010	63·3	52·3	67	50	60·3	57·6	57·1	+1·6	56·7	56·3	49·0	3·3
	September	·762	692	..	·725	+·009	62·6	51·7	66	49	59·7	56·5	56·0	+0·6	55·7	54·6	47·9	3·8
	October	·782	·709	..	·745	+·006	62·4	52·3	66	50	59·6	56·6	56·5	+1·7	56·8	55·9	49·8	2·5
	November	·783	·717	..	·750	—·009	60·4	49·9	65	46	57·7	54·9	54·6	+1·1	54·1	53·5	46·6	3·3
	December	·822	·756	..	·787	+·027	60·7	46·2	69	38	57·9	54·5	53·3	+0·2	50·5	51·6	38·3	7·9
	Year†	22·788	22·722	..	22·752	+·010	63·4	50·4	72	38	60·2	57·1	56·1	+0·7	53·6	54·2	45·3	5·1

(a) Mean of 30 days.

* After noon observations were recorded at 16 hrs. (L. M. T.) for January and February.

† Annual means have been derived after reducing the 16 hrs. readings of January and February to 17 hrs I. S. T.

TABLE D-1 FOR 1932—*contd.*

(*L. M. T.*) *and 17 hrs.* (*I. S. T.*).

Vapour tension in inches of mercury.				Humidity.				Cloud.			Wind direction. Total number of 10 hrs. and 16 hrs. winds from										Wind velocity.	
Mean 10 hrs. 20	Mean 17 hrs. 21	Mean of daily means 22	Departure from normal. 23	Mean 10 hrs. 24	Mean 17 hrs. 25	Mean of daily means. 26	Departure from normal. 27	Mean 10 hrs. 28	Mean 17 hrs. 29	Mean of two previous columns. 30	Calm. 31	N. 32	N.E. 33	E. 34	S.E. 35	S. 36	S.W. 37	W. 38	N.W. 39	Mean wind direction. 40	Mean velocity in miles per diem. 41	Departure from normal. 42
·646	·619	·620	—·065	65	63	72	—7	3·9	2·8	3·3	5	18	23	12	0	0	0	0	4	N 34° E	110	+10
·690	·683	·690	—·025	64	64	65	—13	4·0	1·9	2·9	5	0	4	16	20	10	0	3	0	S 55° E	120	+32
·680	·721	·711	—·091	56	63	60	—18	2·5	1·5	2·0	3	1	8	11	27	8	2	2	0	S 56° E	126	+17
·814	·890	·864	—·036	60	72	67	—11	3·9	3·0	3·5	2	0	2	5	28	12	2	6	3	S 29° E	149	+16
·823	·8.7	·881	—·015	57	69	65	—5	5·6	5·7	5·6	0	3	3	6	21	18	5	5	1	S 12° E	143	—16
·699	·816	·781	—·052	47	56	53	—13	4·2	6·8	5·5	0	2	1	5	16	7	4	22	3	S 31° W	141	—13
·725	·752	·758	—·054	54	52	54	—14	8·2	8·3	8·3	0	1	0	0	8	5	22	24	2	S 56° W	123	—16
·833	·878	·870	+·034	65	71	69	—1	6·8	5·7	6·3	0	2	0	7	22	12	9	10	0	S 11° E	122	+1
·771	·841	·821	—·027	61	65	64	—13	6·0	6·9	6·5	0	0	0	3	13	6	15	16	7	S 43° W	114	+9
·877	·900	·895	+·039	77	81	79	—4	7·2	6·8	7·0	5	3	8	7	14	6	3	3	13	S 89° E	105	+21
·840	·864	·855	+·059	80	84	83	—1	7·7	7·4	7·5	1	10	14	5	8	2	1	8	11	N 12° E	138	+24
·750	·722	·738	+·009	75	74	76	—6	5·3	5·0	5·1	3	22	24	2	0	0	0	2	9	N 13° E	155	+27
·762	·799	·790	—·019	63	68	67	—9	5·4	5·1	5·3	24	62	87	79	177	86	63	101	53	..	129	+9
·201	·273	·237	—·019	42	61	54	—8	2·5	3·1	2·8	0	3	13	21	23	2	0	0	0	S 83° E	115	—104
·279	·354	·292	+·030	55	77	72	+11	3·9	6·9	5·4	3	9	7	8	16	3	0	3	9	N 68° E	123	—83
·223	·337	·280	+·012	41	68	55	—1	2·1	4·6	3·3	1	21	17	7	12	2	0	0	1	N 49° E	172	—40
·344	·414	·379	+·040	57	78	67	+2	3·6	6·7	5·1	1	12	22	7	11	2	0	0	5	N 50° E	164	—39
·390	·430	·410	+·029	71	84	77	+5	7·6	9·2	8·4	3	7	13	5	5	2	1	8	18	N 3° E	175	—8
·400	·436	·418	+·042	71	88	79	+1	6·6	8·9	7·7	2	3	1	2	2	2	0	18	30	N 16° W	173	—89
·383	·405	·394	+·017	79	88	83	0	8·6	9·3	8·9	3	1	1	1	2	1	2	22	29	N 62° W	226	—54
·423	·439	·431	+·051	81	92	87	+3	8·0	9·4	8·7	4	6	8	8	11	3	0	7	15	N 16° E	135	—94
·402	·406	·404	+·024	79	89	84	0	7·9	8·6	8·3	3	4	2	1	1	7	0	21	21	N 68° W	176	—28
·433	·441	·437	+·059	86	96	91	+5	8·8	9·6	9·2	15	6	9	5	4	3	1	6	13	N 6° W	116	—72
·383	·397	·390	+·044	81	92	87	+4	7·3	8·4	7·9	7	9	11	2	4	15	1	3	8	N 40° E	162	—41
·291	·354	·323	+·047	63	83	73	+7	5·3	6·3	5·8	11	2	16	12	14	5	0	1	1	S 88° E	209	—7
·346	·390	·366	+·031	67	83	76	+3	6·0	7·6	6·8	53	83	120	79	105	47	5	89	150	..	162	—55

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Abstract of observations taken at 10 hrs.

Station and height of bar-cistern above sea-level in feet.	Month.	Pressure (Reduced to 32°F. and Standard gravity).					Temperature of Air.								Temperature wet bulb.				Vapour-tension in inches of mercury.				
		Mean 10 hrs.	Mean 16 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean minimum.	Mean 10 hrs.	Mean 16 hrs.	Means of three previous columns.	From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Katmandu (Nepal) (4,338).	January	..	..	..	..	..	66·9	41·2	71	33	49·0	63·1	53·4	+3·8	..	46·4	53·5	..	..	·281	·293	·295	—·042
	February	..	..	..	..	..	69·0	41·6	75	32	52·3	66·0	55·1	+2·6	..	45·6	52·7	..	..	·236	·247	·251	—·009
	March	..	..	..	..	..	81·8	44·7	88	40	69·3	79·3	63·6	+2·8	..	55·6	59·5	..	..	·284	·281	·281	—·020
	April	..	..	..	..	..	85·2	50·8	92	43	73·6	80·6	68·6	+1·5	..	58·2	60·3	..	..	·302	·280	·284	—·076
	May	..	..	..	..	..	86·6	58·7	95	52	79·1	82·8	72·8	+2·0	..	64·8	64·8	..	..	·450	·403	·421	—·069
	June	..	..	..	..	..	83·8	67·6	91	64	76·8	82·2	74·9	+1·0	..	70·4	72·8	..	..	·656	·699	·676	+·036
	July	..	..	..	..	..	86·3	68·7	90	66	79·9	83·6	77·1	+2·0	..	72·1	74·6	..	..	·690	·761	·729	+·036
	August	..	..	..	..	..	84·4	68·2	88	65	79·0	80·9	75·8	+1·3	..	71·5	73·3	..	..	·683	·729	·708	+·026
	September	..	..	..	..	..	84·1	66·4	87	62	77·2	80·8	74·9	+1·7	..	70·0	72·9	..	..	·650	·716	·685	+·052
	October	..	..	..	..	..	82·6	55·3	88	50	68·6	80·0	68·9	+2·0	..	62·2	67·6	..	..	·480	·538	·507	+·031
	November	..	..	..	..	..	74·5	48·9	82	39	57·6	71·1	61·2	+3·4	..	54·9	61·5	..	..	·403	·426	·415	+·079
	December	..	..	..	..	..	66·4	41·5	73	32	50·7	62·2	53·0	+0·4	..	48·0	53·5	..	..	·304	·305	·310	+·042
	Year	..	..	..	..	..	79·3	54·5	95	32	67·8	76·1	66·6	+2·0	..	60·0	63·9	..	..	·452	·473	·468	+·014
Seychelles (Indian Ocean) (15).	January	29·914	·823	·091	29·879	+·031	82·6	73·9	86	72	80·5	80·4	77·1	—1·4	72·1	75·9	75·9	74·6	·753	·835	·835	·827	—·006
	February	·894	·802	·092	·856	+·004	82·7	76·5	86	73	81·5	81·6	78·5	—0·6	73·1	75·6	75·9	74·9	·763	·815	·821	·823	—·019
	March	·879	·787	·092	·838	+·010	84·4	75·0	87	71	82·6	82·3	78·7	—0·2	72·8	76·8	77·0	75·5	·783	·845	·851	·853	—·008
	April	·885	·788	·097	·839	+·010	85·9	75·3	88	72	84·1	84·1	79·3	—0·1	74·0	79·0	79·6	77·5	·818	·921	·961	·925	+·062
	May	·886	·805	·081	·847	—·017	86·5	76·3	89	72	84·8	84·8	80·0	+0·5	74·9	81·5	81·9	79·4	·846	1·008	1·050	·981	+·135
	June	·904	·828	·076	·868	—·002	83·6	75·5	86	72	81·9	81·9	78·4	+0·8	73·0	79·2	78·8	77·0	·776	·955	·948	·909	+·128
	July	·894	·817	·077	·857	—·059	81·1	74·1	82	70	79·3	79·7	76·3	—0·1	71·3	74·8	75·1	73·7	·717	·806	·806	·791	+·040
	August	·910	·832	·078	·874	—·022	81·0	73·8	85	70	79·2	79·7	75·9	—0·7	70·8	74·1	74·5	73·1	·717	·770	·799	·770	+·023
	September	·920	·834	·086	·885	—·018	81·9	75·2	83	73	80·2	80·6	77·2	—0·5	72·5	75·4	75·4	74·4	·776	·799	·799	·798	+·031
	October	·921	·833	·088	·888	+·010	82·3	73·8	85	71	80·7	80·3	77·1	—0·6	71·7	75·1	75·2	74·0	·756	·792	·799	·795	+·001
	November	·915	·826	·089	·883	+·018	82·6	73·2	85	71	81·6	81·3	77·0	—0·6	71·6	75·0	74·9	73·8	·795	·778	·768	·805	—·031
	December	·891	·803	·088	·857	—·002	84·0	73·6	87	72	82·1	84·1	77·7	—0·2	72·4	76·3	76·2	75·0	·778	·820	·793	·822	—·010
	Year	29·901	29·815	·086	29·864	—·003	83·3	74·7	89	70	81·5	81·7	77·8	—0·3	72·5	76·6	76·7	75·2	·773	·845	·853	·842	+·030

TABLE D-I FOR 1932.

and 16 hrs. (L. M. T.).

Humidity.					Cloud.				Wind direction.										Wind velocity.		Rainfall.		Rainy days.
									Total number of 10 hrs. and 16 hrs. winds from														
From minimum.	Mean 10 hrs.	Mean 16 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 16 hrs.	Mean of two previous columns.	Departure from normal.	Calm.	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Mean wind direction.	Mean velocity in miles per diem.	Departure from normal.	Actual.	Departure from normal.	Actual.
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
..	83	52	71	—6	6·9	3·8	5·3	+1·9	0	14	0	9	1	2	0	20	16	N 44° W	23	+8	0·36	—0·63	1
..	60	38	52	—17	6·9	5·0	5·9	+2·4	1	8	2	6	4	7	0	25	5	N 80° W	23	+2	0·05	—0·81	0
..	39	28	34	—27	(a) 1·5	4·2	(a) 2·9	—0·4	0	8	2	12	2	3	1	31	3	N 71° W	28	+5	0·07	—1·02	0
..	37	27	32	—26	(k) 3·1	(h) 6·1	(k) 4·4	+0·4	0	8	2	14	1	3	2	26	4	N 54° W	29	+3	2·54	+0·60	5
..	45	36	41	—27	3·5	5·0	4·2	—1·0	0	10	6	9	4	2	1	20	10	N 37° W	30	—1	3·79	—0·22	8
..	72	63	67	—9	(c) 7·9	6·4	(c) 7·3	+1·1	0	16	5	9	5	5	5	10	5	N 5° W	24	+1	6·52	—2·70	14
..	67	65	66	—15	6·6	7·3	7·0	+0·2	0	14	8	6	5	3	5	9	12	N 18° W	23	+8	10·62	—4·29	19
..	69	70	70	—12	7·0	7·2	7·1	0	0	22	2	7	1	4	4	12	10	N 29° W	19	+6	9·37	—5·29	16
..	70	68	71	—10	6·7	5·8	6·3	0	0	17	1	19	4	6	0	7	6	N 41° E	18	+6	4·98	—2·37	8
..	69	52	62	—13	2·6	2·9	2·7	—1·3	0	15	3	10	2	2	1	22	7	N 39° W	18	+6	0	—2·29	0
..	85	57	75	0	4·2	3·0	3·6	+1·0	0	29	1	7	0	5	0	11	7	N 41° W	17	+7	2·99	+2·84	2
..	82	55	72	—3	6·5	3·9	5·2	+2·6	0	21	2	9	0	4	0	20	6	N 40° W	21	+5	1·50	+1·19	3
..	65	51	59	—14	5·3	5·1	5·2	+0·7	1	182	34	117	29	46	19	213	91	..	23	+5	42·79	—14·99	76
90	80	80	86	+2	6·6	6·9	6·7	—0·3	11	11	5	2	2	0	1	9	21	N 33° W	107	0	15·01	—2·08	14
84	75	77	82	—1	7·3	7·3	7·3	+0·8	2	15	7	5	1	0	0	6	22	N 17° W	149	+42	0·91	—11·69	2
90	75	77	85	+2	6·7	6·8	6·8	+0·1	11	8	8	5	4	0	0	6	20	N 16° W	108	+22	12·42	+2·51	12
93	79	81	87	+7	4·6	4·[illegible]	4·8	—0·3	10	6	7	9	7	1	1	2	17	N 14° E	96	+14	2·93	—4·42	4
93	8[illegible]	87	90	+10	5·7	5·4	5·5	+0·4	6	3	2	20	20	4	3	1	3	S 66° E	146	+26	5·53	—0·54	9
88	89	87	90	+11	7·1	6·8	6·9	—0·2	2	1	2	15	29	9	2	0	0	S 51° E	212	+24	1·87	—2·93	7
86	80	80	83	+5	6·1	6·8	6·5	+0·9	2	0	0	13	28	15	3	0	1	S 40° E	247	+36	2·43	+0·02	8
86	78	78	82	+4	7·5	7·5	7·5	+1·1	0	0	0	22	36	4	0	0	0	S 58° E	285	+54	1·64	—0·92	6
88	78	78	83	+3	7·4	7·4	7·4	+1·8	0	0	0	16	39	4	1	0	0	S 53° E	307	+97	2·52	—2·34	8
90	76	78	83	+2	6·4	6·0	6·1	—0·1	0	1	1	18	23	15	4	0	0	S 45° E	196	+57	12·43	+7·65	7
93	73	72	82	—1	5·9	5·3	5·6	—1·3	6	1	3	16	14	9	2	2	7	S 58° E	110	+17	5·87	—4·54	6
94	74	68	81	—2	6·0	6·8	6·4	—0·4	12	2	7	14	7	0	3	3	14	N 43° E	95	—14	10·18	—4·26	13
90	79	79	85	+4	6·4	6·5	6·5	+0·3	62	48	42	155	210	61	20	29	105	..	171	+31	73·74	—23·54	96

(a) Mean of 30 days. (c) Mean of 28 days. (h) Mean of 23 days. (k) Mean of 20 days.

Monthly and Annual

Abstract of observations taken

Station and height of bar-cistern above sea level in feet.	Month.	Pressure (reduced to 32° F. and standard gravity.)					Temperature of air.								Temperature wet bulb.		Vapour tension in inches of mercury			
		Mean 10 hrs.	Mean 17 hrs.	Mean daily range.	Mean of daily mean pressure.	Departure from normal.	Mean maximum.	Mean minimum.	Highest maximum.	Lowest minimum.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.	Mean 10 hrs.	Mean 17 hrs.	Mean 10 hrs.	Mean 17 hrs.	Mean of daily means.	Departure from normal.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Trivandrum (Madras) (17).	January . . .	29·738	29·644	..	29·691	+·028	86·1	72·1	87	68	80·2	84·9	78·3	+1·2	71·1	74·9	·644	·731	·690	+·024
	February . . .	·716	·603	..	·658	+·009	85·2	73·6	87	66	80·8	83·8	78·5	—·01	74·7	76·3	·774	·794	·793	+·108
	March	·681	·568	..	·626	—·001	87·7	76·0	90	74	84·3	85·2	80·3	0	75·5	76·5	·760	·811	·798	+·023
	April	·647	·540		·594	+·014	87·9	78·6	90	75	84·7	85·3	82·3	+0·4	78·3	79·1	·877	·908	·896	+·068
	May	·583	·501	..	·545	—·026	85·5	77·8	90	74	82·7	82·4	80·6	—0·7	78·2	78·3	·907	·903	·908	+·065
	June	·609	·535	..	·575	—·003	84·7	77·0	86	74	82·3	82·7	79·7	+1·3	77·8	77·7	·888	·889	·889	+·079
	July	·589	·515	..	·557	—·034	83·1	75·4	85	73	80·4	81·1	77·8	+0·6	76·4	76·4	·853	·835	·844	+·049
	August . . .	·585	·504	..	·550	—·049	84·1	75·6	87	73	81·3	81·4	78·8	+1·0	76·9	76·7	·851	·865	·863	+·078
	September . . .	·640	·549	..	·598	—·018	83·7	76·2	87	74	81·4	82·1	78·8	+0·8	76·7	76·6	·857	·851	·863	+·082
	October . . .	·635	·548	..	·592	—·029	82·9	75·0	86	73	80·2	79·9	77·6	—0·1	76·3	76·2	·849	·848	·848	+·062
	November . . .	·657	·570	..	·614	—·026	83·1	74·1	86	71	79·1	80·3	77·8	+0·1	75·3	75·5	·818	·799	·802	+·021
	December . . .	·696	·610	..	·653	0	84·7	73·5	88	70	83·5	82·5	78·3	+0·9	74·0	75·3	·749	·772	·755	+·047
	Year	29·648	29·557	..	29·605	—·011	84·9	75·4	90	66	81·7	82·6	79·1	+0·5	75·9	76·6	·819	·834	·829	+·059

Table D-1 for 1932.

at 10 hrs. (L. M. T.) and 17 hrs. (I. S. T.)

Humidity.				Cloud.			Wind Direction.										Wind Velocity	
							Total number of 10 hrs. and 17 hrs. winds from											
Mean 10 hrs. 22	Mean 17 hrs. 23	Mean of daily means. 24	Departure from normal. 25	Mean 10 hrs. 26	Mean 17 hrs. 27	Mean of two previous columns. 28	Calm. 29	N. 30	N. E. 31	E. 32	S. E. 33	S. 34	S. W. 35	W. 36	N. W. 37	Mean wind direction. 38	Mean velocity in miles per diem. 39	Departure from normal. 40
61	62	73	—1	3·5	1·6	2·5	13	4	7	3	2	2	22	9	0	S 56° W	(f) 100	+30
74	70	84	+11	5·6	5·7	5·7	10	6	1	0	1	6	11	19	4	S 80° W	104	+23
65	65	77	+1	4·9	6·6	5·7	18	4	2	1	1	6	12	15	3	S 71° W	88	—8
73	75	84	+5	7·2	7·6	7·4	5	14	1	1	0	0	3	26	10	N 59° W	151	+48
88	82	94	+11	8·5	9·5	9·0	9	11	2	0	4	0	4	21	11	N 61° W	164	+40
81	79	88	+2	7·7	8·2	7·9	0	7	0	0	0	0	0	26	27	N 60° W	207	+84
82	80	89	+2	8·7	8·6	8·7	2	9	0	0	0	0	0	19	32	N 52° W	218	+60
80	81	90	+4	7·9	8·4	8·1	3	21	0	0	1	1	3	19	14	N 48° W	172	+13
80	77	88	+4	8·2	8·5	8·3	1	8	0	0	0	0	2	32	17	N 68° W	201	+59
83	84	92	+7	8·4	9·4	8·9	4	11	0	1	7	4	2	20	13	N 68° W	133	+45
88	78	92	+8	7·0	7·8	7·4	7	8	0	2	2	2	5	23	11	N 74° W	118	+57
73	71	82	+4	4·6	5·3	4·9	11	6	11	1	0	1	12	18	2	N 74° W	92	+27
77	75	86	+5	6·9	7·3	7·0	83	109	24	9	18	22	76	247	144	..	146	+40

(f) Mean of 25 days.

Table D-2.—Abstract of observations taken at 4 hrs. and 14 hrs. (G. M. T.) at 15 Stations in Persia and the adjoining areas in the year 1932.

MONTHLY AND ANNUAL

Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and height of barcistern above sea-level in feet.	Month.	Pressure (Reduced to 32° F. and standard gravity).		Temperature of Air.								Temperature wet bulb.		Vapour-tension in inches of mercury.		Humi
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Bahrein (8)	January	30·115	30·066	68·7	55·6	83·6	25th	46·4	8th	58·0	63·7	55·4	59·4	·399	·439	84
	February	·062	·015	69·1	55·4	94·4	27th	48·4	13th	58·8	63·8	54·7	58·8	·379	·432	76
	March	29·954	29·912	77·0	61·0	95·0	1st	58·0	15th	67·6	71·8	62·3	65·6	·482	·558	72
	April	·883	·932	82·5	68·8	98·9	11th	57·2	3rd	73·1	76·7	66·4	67·9	·551	·563	69
	May	·767	·718	90·8	77·3	103·3	19th	71·4	11th	81·9	85·2	74·4	76·3	·737	·774	69
	June	·573	·527	100·3	80·8	110·8	9th	73·0	2nd	87·8	92·1	77·9	80·2	·822	·859	63
	July	·425	·381	97·3	85·3	101·5	16th	79·5	4th	89·6	92·3	80·6	82·9	·934	·997	67
	August	·543	·501	99·4	84·9	106·0	26th	78·4	23rd	89·5	93·8	83·0	84·2	1·038	1·034	75
	September	·677	·639	95·0	79·8	100·8	5th and 12th	71·1	25th	85·5	90·0	78·5	81·9	·894	·982	72
	October	·904	·864	89·2	73·8	94·4	8th	62·0	28th	77·9	84·8	73·4	75·5	·736	·738	76
	November	30·029	·994	81·6	68·7	88·0	19th	58·8	26th	71·6	76·9	66·6	69·6	·598	·681	75
	December	·159	30·104	66·1	57·6	78·6	15th	48·0	31st	59·5	62·7	56·4	58·4	·408	·422	81
	Year	29·841	29·796	84·7	71·0	110·8	..	46·4	..	75·1	79·5	69·1	71·7	·664	·703	73
Bushire (14)	January	30·129	30·068	68·3	53·0	90·9	21st	41·0	8th	57·2	63·6	53·9	59·2	·373	·439	80
	February	·069	29·999	66·7	50·7	84·0	22nd	39·8	10th	55·6	63·7	51·1	57·9	·314	·402	71
	March	29·957	·904	74·8	60·9	90·3	26th	56·0	3rd	65·1	70·9	61·1	63·0	·482	·571	76
	April	·881	·821	80·2	66·0	96·3	22nd	60·4	5th	70·4	76·1	66·0	71·9	·578	·730	76
	May	·753	·704	86·5	75·2	103·3	20th	69·0	9th	78·7	83·8	72·4	76·4	·696	·794	73
	June	·568	·518	91·2	80·1	95·9	23rd	74·0	1st	84·7	89·7	75·7	80·8	·774	·934	65
	July	·409	·359	92·7	84·4	100·5	18th	77·4	12th and 31st	87·5	90·9	79·9	81·9	·920	·968	70
	August	·555	·496	94·7	83·5	99·9	28th	79·0	26th	88·0	92·5	79·7	85·5	·906	1·004	68
	September	·609	·572	91·5	79·0	96·0	3rd	71·5	21st	83·3	89·8	74·2	80·3	·716	·893	64
	October	·862	(a) ·824	86·9	71·5	91·0	7th, 8th and 9th	64·0	24th	74·3	(a) 85·6	68·4	(a) 76·7	·607	(a) ·804	73
	November	30·001	(b) ·948	79·7	63·6	87·0	16th	50·0	26th	66·1	(b) 76·2	59·5	(b) 67·6	·412	(b) ·570	66
	December	·113	30·062	63·4	50·9	76·0	13th	43·0	20th	53·2	61·6	48·9	55·8	·287	·368	69
	Year	29·826	29·773	81·4	68·2	103·3	..	39·8	..	72·0	78·7	65·9	71·5	·589	·705	71

(a) Mean of 30 days. (b) Mean of 29 days.

TABLE D-2 FOR 1932,

at 15 stations in Persia, etc.

DITY.	CLOUD.		WIND DIRECTION.																			WIND VELOCITY.	RAINFALL.			
			Total number of 4 hrs. winds from									Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from									Mean wind direction at 14 hrs.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Calm.	N	NE	E	SE	S	SW	W	NW		Calm.	N	NE	E	SE	S	SW	W	NW						
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
76	5·5	4·7	2	4	1	2	7	2	1	8	4	S 89° W	1	7	5	8	2	1	0	1	6	N 32° E	..	0	0	0	..
73	2·2	(c) 1·3	5	4	2	0	6	0	1	4	7	N 37° W	1	10	3	5	3	0	0	0	7	N 16° E	12·7	0	0	0	..
70	(e) 4·5	(b) 3·5	0	6	2	3	4	1	6	5	4	N 65° W	1	13	7	6	2	0	0	0	2	N 31° E	11·3	1·09	3	0·43	18th
62	(e) 1·7	(f) 2·3	7	7	1	1	1	2	1	4	6	N 37° W	2	10	5	5	3	0	0	0	5	N 25° E	11·3	0	0	0	..
66	2·2	1·6	5	9	2	1	1	1	2	2	8	N 25° W	0	14	3	9	0	0	0	0	5	N 21° E	10·5	0·28	1	0·22	2nd
59	0·3	0·1	18	4	0	0	0	0	1	2	5	N 42° W	7	11	4	1	0	0	0	0	7	N 3° W	8·3	0	0	0	..
66	0·5	0·7	10	5	1	0	1	0	0	6	8	N 44° W	2	19	4	2	0	0	0	0	4	N 5° E	8·7	0	0	0	..
66	0·6	1·0	18	1	0	1	3	0	0	3	5	N 55° W	4	10	6	9	1	0	0	0	1	N 43° E	(c) 5·8	0	0	0	..
69	0·1	0·1	6	4	0	0	1	0	2	12	5	N 72° W	0	17	7	4	0	0	0	0	2	N 18° E	(a) 12·1	0	0	0	..
64	0·5	0·5	6	4	0	0	0	0	3	17	1	N 37° W	0	24	5	2	0	0	0	0	0	N 11° E	7·9	0	0	0	..
69	1·6	1·8	6	3	2	0	2	1	7	6	3	S 36° W	0	9	5	8	3	0	0	0	5	N 36° E	9·0	0	0	0	..
76	5·9	3·8	5	3	1	0	1	0	1	8	12	N 56° W	4	7	2	2	0	0	1	2	13	N 27° W	10·4	2·61	5	0·66	17th
68	2·1	1·8	88	54	12	8	27	7	25	77	68	..	22	151	56	61	14	1	1	3	57	..	..	3·38	9	0·66	..
76	3·4	2·7	2	7	13	5	1	1	0	2	0	N 42° E	0	2	1	1	5	3	5	2	12	N 83° W	7·2	0·43	2	0·24	13th
71	2·3	1·2	0	10	7	4	3	2	1	0	2	N 38° E	0	0	1	0	4	2	2	3	17	N 63° W	10·4	0	0	0	..
80	4·0	2·4	2	5	5	3	8	2	0	1	5	N 66° E	0	0	1	0	2	2	5	7	13	N 81° W	0·2	0·47	2	0·26	20th
82	1·3	2·8	0	9	6	2	4	3	0	1	5	N 22° E	0	0	0	0	2	3	3	8	14	N 80° W	11·5	0	0	0	..
71	1·7	1·1	0	7	4	4	1	1	0	3	11	N 11° W	0	0	1	0	0	2	3	12	13	N 76° W	(a) 11·0	0	0	0	..
67	0	0	3	7	5	3	4	1	0	3	4	N 20° E	0	0	0	0	0	3	8	8	11	S 88° W	(b) 10·0	0	0	0	..
66	0·4	0·3	4	5	3	1	4	0	1	3	10	N 24° W	0	0	0	1	0	4	4	15	7	S 85° W	10·3	0	0	0	..
67	0	0	3	3	5	5	7	0	0	1	7	N 49° E	0	0	0	0	3	3	6	11	8	S 79° W	7·7	0	0	0	..
65	0	0	0	7	13	5	1	1	0	0	3	N 36° E	0	0	0	0	0	1	1	11	17	N 67° W	8·3	0	0	0	..
(a) 65	0·3	(a) 0·3	3	1	17	6	2	2	0	0	0	N 64° E	0	0	0	0	0	0	2	6	22	N 58° W	6·0	0	0	0	..
(b) 61	1·5	(b) 3·3	1	6	13	5	3	1	0	0	1	N 51° E	0	0	0	0	4	2	2	2	19	N 63° W	8·8	0·02	0	0·02	1st
68	4·2	3·7	0	12	8	7	1	0	0	0	3	N 31° E	0	5	4	0	1	0	2	1	20	N 38° W	8·8	4·28	3	1·66	30th
69	1·6	1·5	18	79	99	50	39	14	2	14	51	..	0	5	8	2	21	25	48	86	173	..	9·1	5·20	7	1·66	..

(c) Mean of 28 days. (e) Mean of 26 days. (a) Mean of 16 days. (f) Mean of 25 days.

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Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and height of barometer above sea-level in feet.	Month.	Pressure. (Reduced to 32° F. and standard gravity.)		Temperature of air.								Temperature wet bulb.		Vapour-tension in inches of mercury.		Humi
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Henjam (100)	January	30·010	29·933	74·3	61·0	81·6	23rd	55·0	8th	63·9	69·9	59·8	63·3	·464	·488	78
	February	29·932	·859	74·3	57·9	81·3	24th	50·5	6th	64·4	69·4	61·0	63·0	·489	·488	81
	March	·848	·779	78·0	67·8	83·6	25th	62·3	20th	71·7	73·1	68·4	69·0	·637	·654	82
	April	·746	·656	84·5	(b) 72·1	95·6	24th	67·9	7th	76·6	79·1	72·0	72·2	·723	·689	79
	May	·613	·542	90·3	76·6	96·9	20th	72·2	4th and 14th	81·8	84·9	76·2	76·4	·821	·781	77
	June	·436	·349	95·3	80·8	105·9	21st	77·6	8th	85·6	89·4	80·7	80·8	·988	·940	80
	July (a)	·300	·221	94·8	85·3	102·6	5th	82·0	6th	89·5	91·1	82·4	81·7	·996	·962	73
	August	·451	·372	96·9	85·3	104·8	8th	82·6	23rd	90·2	92·0	83·3	81·7	1·031	·948	74
	September	·564	·485	95·5	82·5	105·3	14th	78·4	14th	87·9	89·4	80·7	80·8	·961	·940	72
	October	·797	·714	91·4	76·1	97·7	1st	72·2	31st	81·8	85·5	74·3	74·6	·737	·718	70
	November	·92[illegible]	·840	83·5	68·8	88·7	9th	64·5	29th	72·8	78·7	67·1	67·6	·587	·536	74
	December	30·012	·944	71·2	60·0	79·4	3rd	50·4	30th	63·3	67·6	57·6	60·1	·408	·417	70
	Year	29·719	29·641	85·8	72·8	105·9		50·4		77·4	80·8	71·9	72·6	·737	·713	76
Jask (13)	January	30·085	30·025	76·8	61·4	82·5	20th	52·6	9th	64·6	71·8	59·1	65·2	·426	·529	71
	February	·001	29·946	77·5	61·7	84·9	29th	55·7	15th	65·3	72·6	59·4	64·4	·419	·488	70
	March	29·932	·874	81·3	67·7	84·7	17th	63·2	11th	72·0	76·3	67·0	70·2	·598	·651	76
	April	·821	·760	86·7	72·4	92·6	15th and 24th	67·7	27th	77·7	81·2	71·9	75·0	·708	·785	74
	May	·666	·611	92·4	78·1	98·7	21st	72·7	12th	83·7	87·8	75·5	78·6	·758	·867	67
	June	·483	·404	95·6	82·3	99·0	12th and 22nd	77·7	5th	87·6	92·6	83·1	85·6	1·065	1·145	83
	July	·365	·293	94·4	84·8	100·9	24th	79·9	14th	88·6	90·3	84·3	86·0	1·102	1·179	83
	August	·532	·462	91·6	82·1	95·6	1st	74·2	31st	85·8	88·5	81·9	83·7	1·036	1·095	84
	September	·598	·531	93·2	80·1	99·5	11th, 12th and 13th	75·5	27th	84·5	88·9	80·1	83·5	·961	1·052	82
	October	(a) ·853	·774	92·0	75·1	96·6	6th	69·9	30th	82·8	85·1	73·1	78·9	·682	·908	62
	November	·984	·909	85·2	68·9	93·0	1st	62·2	24th	75·9	78·7	65·5	71·2	·476	·656	57
	December	30·071	30·004	75·9	61·6	82·4	2nd	52·5	31st	66·2	70·2	58·1	62·3	·375	·448	59
	Year	29·783	29·716	87·3	73·0	100·9		52·5		77·9	82·0	71·6	75·4	·716	·817	72

(a) Mean of 30 days. (b) Mean of 29 days. (d) Mean of 22 days.

TABLE D-2 FOR 1932—*contd.*

at 15 stations in Persia, etc.

DITY.	CLOUD.		WIND DIRECTION.																				WIND VELOCITY.	RAINFALL.			
			Total number of 4 hrs. winds from									Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from									Mean wind direction at 14 hrs.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Calm.	N	NE	E	SE	S	SW	W	NW		Calm.	N	NE	E	SE	S	SW	W	NW						
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
67	3·6	2·9	0	13	9	1	0	1	1	3	3	N 4° E	3	0	2	5	1	1	14	5	0	S 37° W	5·1	0	0	0	..
69	2·0	1·5	3	9	8	0	0	0	1	3	5	N 5° W	2	0	0	0	1	0	20	6	0	S 53° W	5·6	0	0	0	..
83	4·5	4·5	7	3	6	4	0	0	4	5	2	N 10° W	2	0	2	1	4	1	14	7	0	S 44° W	6·1	0·68	2	0·45	20th
72	3·0	2·3	3	1	6	3	1	2	6	3	5	N 57° W	1	0	0	2	0	1	21	5	0	S 48° W	6·8	0·16	1	0·16	25th
67	1·7	1·9	3	1	4	1	1	1	13	5	2	S 63° W	0	0	0	1	0	1	22	7	0	S 53° W	6·2	0	0	0	..
70	1·0	0	3	2	6	0	1	0	11	6	1	S 81° W	1	1	0	1	0	1	21	5	0	S 52° W	6·4	0	0	0	..
66	2·5	2·5	3	1	11	3	2	1	6	3	0	N 67° E	2	0	1	6	3	0	13	5	0	S 27° W	(b) 5·6	0·01	0	0·01	17th
63	1·6	1·7	3	1	18	6	1	0	0	1	1	N 52° E	3	0	3	10	1	0	13	1	0	S 19° E	6·3	0	0	0	..
68	0·8	0·3	7	6	7	2	0	0	4	1	3	N 6° E	5	0	0	0	2	0	15	7	1	S 56° W	4·8	0	0	0	..
59	0·2	0·2	2	6	18	1	0	1	1	0	0	N 39° E	2	0	0	2	5	0	20	2	0	S 31° W	4·1	0·11	1	0·11	13th
54	0·6	0·9	2	12	13	0	0	0	0	0	3	N 17° E	3	0	0	2	3	0	21	1	0	S 35° W	4·3	0	0	0	..
63	2·9	3·9	0	6	20	2	0	0	0	1	2	N 32° E	6	1	10	5	3	0	4	1	1	N 68° E	6·3	2·57	3	1·42	21st
67	2·0	1·9	36	63	126	23	6	6	47	31	27	..	30	2	18	35	23	5	198	52	2	..	5·6	3·53	7	1·42	..
69	2·9	2·3	1	9	11	3	0	0	1	1	5	N 16° E	0	1	0	3	2	5	10	7	3	S 49° W	8·5	0·09	0	0·09	12th
62	0·9	1·2	3	4	5	6	0	1	0	2	8	N 17° E	0	1	1	0	0	3	6	9	9	N 88° W	10·6	0	0	0	..
73	3·1	3·7	4	4	5	6	0	0	1	4	7	N	1	1	1	1	8	5	3	10	6	S 75° W	(i) 10·2	0·67	2	0·31	2nd
74	1·2	2·0	1	2	1	10	3	0	2	3	8	N 30° E	1	0	0	1	4	4	4	11	5	S 66° W	..	0·11	1	0·11	26th
66	0·7	2·1	8	4	0	4	5	1	1	2	6	N 9° E	1	5	0	0	4	1	0	9	11	N 57° W	..	0	0	0	..
75	0·7	0·3	7	2	1	18	0	1	0	0	1	N 82° E	7	3	0	0	2	2	3	6	7	N 78° W	..	0	0	0	..
83	5·3	4·1	1	2	0	23	3	1	1	0	0	S 86° E	0	0	0	2	9	8	10	2	0	S 2° W	..	0·14	0	0·09	15th
81	4·1	2·8	2	0	0	24	4	1	0	0	0	S 82° E	1	0	0	1	18	4	7	0	0	S 22° E	..	0	0	0	..
79	2·2	1·0	3	2	0	21	1	0	0	0	3	N 80° E	1	0	0	0	5	6	5	12	1	S 46° W	..	0	0	0	..
75	0·4	1·5	13	2	3	8	1	0	1	1	2	N 62° E	5	1	0	0	0	1	3	10	11	N 74° W	..	0	0	0	..
68	0·8	0·9	13	8	2	1	0	0	0	1	5	N 9° W	3	1	0	0	0	0	1	5	20	N 54° W	..	0	0	0	..
62	3·7	3·5	6	12	5	4	0	0	1	0	3	N 18° E	6	2	0	0	2	2	1	9	9	N 74° W	..	1·77	4	0·57	18th
72	2·2	2·1	62	51	33	128	17	5	8	14	48	..	26	15	2	8	49	41	53	90	82	..	..	2·78	7	0·57	—

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Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and height of barometer cistern above sea-level in feet.	Month.	Pressure. (Reduced to 32° F. and standard gravity.)		Temperature of Air.								Temperature wet bulb.		Vapour tension in inches of mercury.		Humi
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Baitalpur (Musoorie) (72)	January	30·032	29·968	79·9	58·4	91·3	24th	52·1	1st	62·9	74·5	56·9	63·7	·385	·448	67
	February	29·957	·900	79·7	59·4	92·1	28th	51·2	19th	65·8	74·5	57·1	63·5	·352	·428	56
	March	·881	·824	84·0	68·0	93·4	31st	63·3	9th and 24th	74·0	79·3	65·7	67·8	·524	·529	63
	April	·770	·714	92·7	73·9	101·5	18th	65·1	6th	83·1	86·8	68·9	70·5	·519	·535	47
	May	·646	·593	101·3	81·0	114.1	25th	71·4	12th	91·3	96·1	72·8	71·5	·561	·428	38
	June	·474	·411	104·4	84·5	111·4	14th	78·3	25th	94·7	98·5	76·2	77·0	·646	·635	40
	July	·358	·291	98·4	85·4	108·3	24th	80·9	4th	89·7	93·9	80·1	78·5	·893	·779	65
	August	·504	·452	96·5	82·7	106·2	14th	74·9	20th	87·3	91·2	80·3	80·1	·927	·873	73
	September	·600	·538	99·0	81·1	109·0	14th	74·5	27th	88·0	93·2	77·3	76·4	·784	·666	61
	October	·827	·766	93·9	72·8	100·4	4th	62·9	29th	82·5	87·3	71·7	73·9	·635	·650	57
	November	·952	·896	85·6	63·1	90·2	10th	56·4	7th	72·7	79·9	63·7	68·8	·475	·560	59
	December	30·029	·974	77·8	62·8	82·3	3rd	53·4	8th	66·9	73·3	61·1	64·4	·456	·475	69
	Year	29·752	29·694	91·1	72·7	114·1	..	51·2	..	79·9	85·7	69·3	71·3	·596	·584	59
Charbar (25)	January*	30·029	29·962	77·2	59·5	84·5	25th	51·0	10th	65·1	71·7	62·1	67·1	·515	·600	85
	February†	29·912	·856	77·6	60·8	79·8	28th	54·0	1st	65·7	73·0	61·3	65·6	·476	·538	77
	March	·872	·822	81·5	68·6	87·5	29th	60·3	3rd	72·6	76·2	68·1	70·7	·623	·683	79
	April	·764	·711	85·8	71·6	95·5	11th	67·0	7th	78·1	80·9	72·1	75·1	·703	·785	74
	May	·632	·561	91·3	77·4	102·5	24th	72·5	11th	84·1	86·2	78·1	80·6	·876	·981	76
	June	·491	·411	91·3	80·7	97·0	10th	78·0	25th & 26th	87·4	87·5	80·7	83·0	·968	1·065	74
	July	·385	·313	89·2	81·6	93·0	11th & 12th	78·0	10th & 14th	85·4	86·0	80·1	81·1	·947	·988	79
	August	·558	·494	85·0	77·4	90·5	3rd	73·5	17th	81·0	81·1	78·1	77·4	·828	·878	79
	September	·619	·550	88·0	77·3	91·5	25th	73·5	27th	82·6	83·6	78·1	79·6	·896	·968	81
	October	·865	·783	91·4	70·9	99·1	18th & 19th	62·5	7th	80·9	83·3	70·8	72·8	·623	·838	60
	November	·981	·909	86·1	65·4	96·4	2nd	60·5	6th	74·7	78·1	65·3	71·2	·489	·668	60
	December	30·071	·997	78·8	60·6	85·5	2nd	48·5	30th	66·9	71·5	59·4	65·9	·399	·564	63
	Year	29·765	29·697	85·2	71·0	102·5	..	48·5	..	77·0	79·9	71·0	74·5	·695	·796	74

*14 hrs. observations Mean of 30 days. †4 hrs. observations Mean of 18 days.

TABLE D-2 FOR 1932—*contd.*

at 15 stations in Persia, etc.

Dity.	Cloud.		Wind Direction.																				Wind Velocity.	Rainfall.			
			Total number of 4 hrs. winds from									Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from									Mean wind direction at 14 hrs	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Calm.	N	NE	E	SE	S	SW	W	NW		Calm.	N	NE	E	SE	S	SW	W	NW						
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
53	2·1	1·3	24	0	0	0	1	1	0	4	1	S 76° W	0	10	8	5	0	0	0	1	7	N 13° E	3·3	0	0	0	..
48	1·5	0·8	20	0	1	0	0	1	0	6	1	N 86° W	3	5	5	3	2	0	0	5	6	N 7° W	4·2	0	0	0	..
51	3·4	3·5	22	0	1	0	1	0	1	5	1	W	5	6	4	8	2	0	0	0	6	N 35° E	4·8	1·34	4	0·53	8th
43	1·6	2·6	13	1	1	1	1	3	1	7	2	S 79° W	3	5	8	4	2	0	1	4	3	N 22° E	5·3	0·09	0	0·09	26th
27	0·3	1·3	20	1	2	0	0	0	0	6	2	N 58° W	5	3	3	6	1	1	1	6	5	N 13° W	4·9	0	0	0	..
37	0·6	0·3	19	0	4	0	1	0	0	4	2	N 29 W	2	7	12	4	0	0	1	4	0	N 23° E	4·8	0	0	0	..
50	5·1	4·4	21	2	4	1	0	0	1	0	2	N 17° E	3	4	7	11	3	0	0	3	0	N 66° E	5·4	0	0	0	..
61	2·7	2·8	26	1	3	1	0	0	0	0	0	N 45° E	6	12	10	3	0	0	0	0	0	N 23° E	5·4	0	0	0	..
45	1·0	1·9	28	0	0	1	1	0	0	0	0	S 68° E	15	5	9	1	0	0	0	0	0	N 33° E	4·1	0	0	0	..
52	0·9	0·6	29	0	1	0	0	0	0	0	1	N	12	5	7	3	1	0	0	6	3	N 30° E	3·4	0	0	0	..
55	0·1	0	29	0	0	0	0	0	0	1	0	W	16	7	1	1	0	0	0	0	5	N 9° W	3·1	0	0	0	..
59	4·2	4·0	19	0	0	1	1	0	1	8	1	S 85° W	6	5	1	3	4	0	0	3	9	N 17° W	4·3	0·31	1	0·23	18th
48	2·0	1·3	270	4	17	5	6	5	4	41	13	..	76	74	75	52	15	1	3	26	44	..	4·5	1·74	5	0·53	..
77	1·8	1·7	1	3	11	6	1	1	0	6	7	N 34° E	6	1	2	1	3	3	9	2	2	S 34° W	5·7	0·02	0	0·02	8th
66	0·7	0·1	2	5	3	3	0	0	0	1	4	N 7° E	0	1	2	0	0	5	4	1	4	S 63° W	(n) 7·3	0	0	0	..
7[illegible]	3·0	1·7	7	3	5	3	1	1	1	2	8	N 6° W	2	2	1	1	3	7	12	0	3	S 28° W	6·7	0·47	2	0·35	3rd
75	0·8	1·4	7	1	4	4	3	1	0	2	8	N 12° E	0	0	2	0	3	8	10	1	6	S 37° W	6·2	0	0	0	..
78	0·6	0·7	5	2	0	5	1	1	0	4	13	N 38° W	1	2	1	0	1	5	8	3	10	S 84° W	5·6	0	0	0	..
8[illegible]	0·3	0·6	8	0	0	12	6	2	0	1	1	S 69° E	2	0	0	0	6	9	11	1	1	S 14° W	6·8	0	0	0	..
80	4·1	2·8	8	0	2	10	9	2	0	0	0	S 69° E	0	0	0	2	12	13	4	1	0	S 16° E	7·9	0·48	1	0·48	14th
84	5·3	2·5	2	0	1	17	9	2	0	0	0	S 72° E	0	0	0	0	14	11	6	0	0	S 13° E	8·5	0	0	0	..
83	2·1	0·2	5	0	4	9	7	2	3	0	0	S 67° E	0	0	0	0	5	10	12	2	1	S 20° W	5·8	0	0	0	..
73	0·3	0·3	5	2	5	11	4	1	1	0	2	N 81° E	2	0	1	1	2	4	14	5	2	S 45° W	4·8	0	0	0	..
70	0·3	0	0	2	6	8	3	1	0	0	4	N 63° E	0	0	0	0	1	4	14	6	5	S 59° W	5·5	0	0	0	..
70	1·8	2·1	5	3	8	12	0	0	0	0	3	N 55° E	0	2	2	4	3	2	5	8	5	S 8° W 5	6·4	0·65	2	0·45	31st
76	1·8	1·2	61	21	49	106	44	14	5	10	50	..	13	8	11	9	53	80	109	20	39	..	6·4	1·62	5	0·48	..

(n) Mean of 17 days.

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Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and height of bar-cistern above sea-level in feet.	Month.	Pressure. (Reduced to 32° F. and standard gravity.)		Temperature of Air.								Temperature wet bulb.		Vapour tension in inches of mercury.		Humi
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Gwadar (22)	January	30·058	29·982	77·5	69·9	86·2	23rd	52·0	9th	66·3	71·5	62·6	65·0	·528	·529	80
	February	29·959	·885	78·2	59·1	80·9	29th	49·8	15th	66·8	71·9	61·9	65·0	·488	·523	72
	March	·903	·833	82·7	(a) 69·0	88·6	18th	61·5	9th	74·1	76·2	68·3	69·8	·603	·645	72
	April	·800	·714	88·1	(d) 72·7	98·1	11th	65·6	1st	78·7	80·7	72·7	73·3	·729	·709	75
	May	·656	·572	94·3	78·3	111·8	24th	73·4	9th	83·3	86·3	79·5	79·8	·935	·934	84
	June	·524	·439	90·3	(b) 79·9	97·4	10th	74·4	11th	83·7	85·2	79·4	80·5	·928	·995	82
	July	·412	·346	87·8	79·6	96·5	9th	75·8	24th	82·9	83·9	79·0	79·3	·935	·928	84
	August	·579	·514	86·1	(a) 77·3	89·5	8th	73·2	19th	80·3	81·0	75·2	75·7	·799	·821	78
	September	·647	·560	88·0	76·3	96·0	25th	70·8	12th	80·3	81·6	76·2	77·7	·842	·903	83
	October	·841	·754	92·3	68·4	88·3	21st	59·2	29th	79·5	83·0	71·8	72·3	·682	·642	70
	November	·956	·887	85·3	(d) 63·4	92·2	1st	58·4	27th	73·6	77·7	65·9	67·5	·538	·5[illegible]6	66
	December	30·041	·979	77·2	58·9	87·3	3rd	46·3	30th	65·9	71·1	55·9	61·2	·315	·402	59
	Year	29·781	29·705	85·7	70·3	111·8	..	46·3	..	76·3	79·2	70·7	72·3	·6[illegible]3	·713	75
Pasni (10)	January	30·082	30·007	77·8	58·4	86·0	23rd	47·7	10th	63·7	69·9	59·9	66·2	·464	·594	79
	February	29·983	29·909	78·8	56·7	81·7	4th	47·6	14th	64·1	71·3	58·2	65·7	·402	·564	69
	March	·936	·852	84·1	64·0	92·3	29th	60·6	10th	74·2	76·0	68·7	71·7	·634	·723	74
	April	·818	·751	90·5	68·7	102·7	11th	61·7	10th	79·7	80·7	72·6	77·0	·716	·872	71
	May	·685	·605	94·1	74·8	114·2	24th	69·9	10th	81·7	85·4	78·6	80·8	·908	·995	75
	June	·557	·477	91·2	79·2	104·6	21st	74·4	11th	85·5	85·0	80·1	81·9	·947	1·050	79
	July	·451	·383	89·7	80·4	96·0	9th	75·3	14th	84·9	84·6	80·2	81·0	·961	1·008	81
	August	·610	·553	84·0	76·7	89·0	8th	71·9	22nd	81·5	81·3	76·7	77·8	·858	·910	79
	September	·679	·597	87·8	74·5	101·0	24th	70·0	27th and 30th	80·9	80·6	75·6	77·1	·821	·878	78
	October	·867	·786	94·7	68·9	101·0	3rd, 4th and 5th	62·0	5 days	81·4	80·1	69·5	75·2	·546	·799	54
	November	·986	·915	86·1	60·5	95·0	1st	55·0	6th	72·9	74·0	63·1	68·3	·441	·610	55
	December	30·068	30·001	77·6	57·6	89·0	3rd	43·0	30th	65·3	69·4	55·5	61·3	·300	·429	50
	Year	29·810	29·736	86·4	68·4	114·2	..	43·0	..	76·6	78·2	69·9	73·7	·666	·786	70

(a) Mean of 30 days. (b) Mean of 29 days. (d) Mean of 27 days.

TABLE D-2 FOR 1932—*contd.*

at 15 stations in Persia, etc.

DITY.	CLOUD.		WIND DIRECTION.																				WIND VELOCITY.	RAINFALL.			
			Total number of 4 hrs. winds from									Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from									Mean wind direction at 14 hrs.					
Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Calm	N	NE	E	SE	S	SW	W	NW		Calm	N	NE	E	SE	S	SW	W	NW		Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
69	5·3	4·0	4	6	4	3	0	2	0	5	7	N 19°W	2	0	0	2	5	4	11	6	1	S 32° W	5·9	0	0	0	..
68	1·6	1·4	2	11	2	2	0	0	1	7	4	N 26°W	0	0	0	0	0	5	14	10	0	S 53° W	8·2	0	0	0	..
71	4·8	3·7	0	4	2	6	0	1	3	7	8	N 4[illegible]°W	1	0	0	0	1	9	10	9	1	S 45° W	8·2	0·92	1	0·92	3rd
69	2·9	3·2	0	1	4	5	2	0	5	9	4	N 74°W	0	0	0	0	2	5	17	6	0	S 42° W	7·1	0	0	0	..
74	2·3	1·9	0	0	2	3	1	0	7	17	1	S 80°W	0	0	0	0	0	5	21	5	0	S 45° W	9·0	0	0	0	..
81	3·9	2·8	1	0	4	1	6	10	5	3	0	S 6°E	0	0	0	1	4	11	11	3	0	S 18° W	7·0	0	0	0	..
81	8·2	7·3	2	1	3	5	6	5	6	3	0	S 22°E	0	0	0	3	6	13	7	2	0	S 1° E	4·3	2·53	4	1·43	14th
77	7·6	6·2	0	0	2	4	9	4	7	4	1	S 9°E	0	0	0	0	5	11	10	5	0	S 22° W	5·0	0	0	0	..
83	7·1	3·2	0	0	5	4	6	1	6	8	0	S 5°W	1	0	0	0	2	9	14	4	0	S 32° W	5·7	0	0	0	..
59	2·3	1·3	2	1	3	1	4	0	1	11	8	N 66°W	1	1	1	0	0	5	14	8	1	S 55° W	5·7	0	0	0	..
57	0·6	0·2	5	4	2	4	0	0	0	7	8	N 33°W	3	0	0	0	2	4	15	6	0	S 44° W	4·4	0	0	0	..
54	3·8	3·6	2	8	8	1	1	0	0	4	7	N 5°W	2	3	3	3	4	3	7	6	0	S 28° W	5·5	0·88	2	0·66	31st
70	4·2	3·2	18	36	41	39	35	23	41	85	48	..	10	4	4	9	31	84	151	70	3	..	6·3	4·33	7	1·43	..
81	3·8	3·2	1	6	1	2	1	1	0	8	11	N 44°W	0	1	0	1	4	6	11	8	0	S 38° W	6·3	0·03	0	0·06	8th
72	0·9	0·9	0	5	2	0	1	0	1	5	15	N 42°W	0	1	1	0	0	2	10	14	1	S 73° W	7·4	0	0	0	..
80	4·1	2·6	3	2	1	4	1	0	0	8	12	N 47°W	0	0	0	0	0	3	16	11	1	S 59° W	7·0	0·01	0	0·01	3rd
84	3·0	2·6	1	1	1	2	3	2	1	10	9	N 75° W	0	0	0	0	0	1	15	14	0	S 65° W	7·3	0·04	0	0·04	27th
81	1·2	1·4	0	0	1	4	0	0	6	16	4	S 88°W	0	0	0	0	0	1	14	16	0	S 67° W	9·5	0	0	0	..
87	4·0	2·2	0	0	0	5	3	0	9	9	4	S 63°W	0	0	0	0	2	1	16	11	0	S 57° W	8·7	0	0	0	..
85	8·2	7·4	0	0	0	9	4	0	6	8	4	S 37°W	1	1	0	0	2	6	16	5	0	S 40° W	6·2	5·70	4	4·70	14th
84	8·1	6·2	1	0	0	3	2	2	9	12	2	S 62°W	1	0	0	1	0	4	16	9	0	S 52° W	6·8	0	0	0	..
85	4·5	1·9	4	0	0	6	2	0	1	10	7	N 71°W	0	0	0	0	1	4	17	8	0	S 49° W	7·0	0	0	0	..
79	1·3	0·7	4	5	8	2	0	0	0	4	8	N 7°W	5	0	1	0	0	3	5	15	2	S 77° W	5·8	0	0	0	..
73	0·4	0·3	3	10	5	3	0	0	0	0	9	N 1° E	4	0	0	0	1	2	10	11	2	S 66° W	4·8	0	0	0	..
60	2·5	2·9	0	12	7	1	1	0	0	1	9	N 2°W	6	3	2	1	5	1	3	9	1	S 76° W	7·1	0	0	0	..
79	3·5	2·7	17	41	26	41	18	5	33	91	94	..	17	6	4	3	15	34	149	131	7	..	7·0	5·81	4	4·70	..

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Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and height of barcistern above sea-level in feet.	Month.	Pressure reduced to 32° F. and standard gravity.		Temperature of Air.								Temperature wet bulb.		Vapour-tension in inches of mercury.		Humi
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Panjgur (3,177)	January	26·879	26·798	69·5	42·7	82·4	29th	30·4	1st	47·5	61·7	41·3	49·5	·183	·199	59
	February	·773	·699	72·3	40·9	89·8	25th	29·0	14th	48·9	64·7	41·9	51·3	·181	·218	53
	March	·765	·682	78·8	53·6	87·6	19th	37·4	11th	61·0	71·5	52·9	58·3	·303	·331	58
	April	·704	·618	90·3	59·6	98·0	13th	50·2	5th	72·7	82·8	58·7	61·7	·337	·311	43
	May	·625	·537	98·9	69·5	109·8	22nd	62·0	1st	83·3	92·9	64·3	67·9	·374	·392	34
	June	·492	·402	102·5	74·0	109·0	17th	63·4	7th	86·2	96·0	73·1	78·1	·658	·745	54
	July	·386	·310	102·1	76·8	110·8	7th	71·4	10th	82·3	89·8	74·5	76·4	·772	·737	71
	August	·515	·438	100·2	73·3	106·3	6th	67·4	16th	84·4	93·4	70·4	74·2	·568	·615	51
	September	·590	·516	98·0	66·3	105·8	5th	56·8	27th	82·5	89·9	72·0	75·5	·660	·696	60
	October	·781	·713	85·6	54·5	93·8	11th	42·4	29th	68·7	77·7	54·7	59·0	·278	·285	39
	November	·844	·772	76·7	45·4	82·2	18th and 19th	40·0	6th, 7th and 26th	56·2	66·7	45·5	51·1	·179	·182	41
	December	·856	·804	62·8	37·8	77·8	16th	22·4	30th	44·2	54·7	36·1	42·3	·120	·124	44
	Year	26·684	26·607	86·5	57·9	110·8	..	22·4	..	68·2	78·5	57·1	62·1	·384	·401	51
Ormara (15)	January	30 070	29·993	77·5	58·6	85·2	29th	49·0	1st	63·1	71·7	59·5	63·8	·452	·488	79
	February	29·963	·896	78·0	58·9	83·9	7th	48·2	16th	65·4	72·5	58·3	62·7	·388	·441	64
	March	·920	·846	83·6	67·5	92·9	18th	60·2	11th	73·6	77·3	67·9	69·1	·610	·600	73
	April	·810	·730	90·1	73·0	104·1	11th	64·0	1st	79·4	82·3	74 0	77·5	·764	·858	77
	May	·669	·585	93·0	79·8	116·6	24th	74·4	11th	83·3	86·7	79·2	80·0	·935	·934	81
	June	·546	·463	91·0	81·4	98·2	21st	79·4	23rd	84·1	84·9	81·1	82·2	1·015	1·057	88
	July	·434	·381	89·8	80·8	98·1	8th	75·7	11th	83·2	85·3	79·9	80·7	·974	·995	86
	August	·600	·547	86·8	78·5	90·1	3rd	76·0	27th	80·7	81·7	75·8	75·9	·828	·815	78
	September	·669	·593	87·2	77·2	90·9	24th	72·1	28th	80·0	81·1	75·3	76·5	·806	·865	79
	October	·852	·779	93·6	69·9	101·0	16th	60·1	30th	78·6	84·7	69·7	71·3	·611	·576	61
	November	·964	·894	88·0	60·8	93·4	1st	55·8	4th	71·4	77·5	64·0	65·5	·495	·456	66
	December	30·047	·975	74·2	57·1	86·8	4th	45·3	30th	64·6	72·2	55·4	59·6	·313	·350	53
	Year	29·795	29·724	85·7	70·3	116·6	..	45·3	..	75·6	79·8	70·0	72·1	·683	·703	74

TABLE D-2 FOR 1932—*contd.*

at 15 stations in Persia, etc.

DITY.	CLOUD.		WIND DIRECTION.																				WIND VELOCITY.	RAINFALL.			
			Total number of 4 hrs. winds from									Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from									Mean wind direction at 14 hrs.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Calm	N	NE	E	SE	S	SW	W	NW		Calm	N	NE	E	SE	S	SW	W	NW						
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
37	3·1	3·2	0	1	16	10	2	1	1	0	0	N 67° E	8	6	4	0	0	1	2	3	2	N 57° W	5·0	0·28	1	0·25	8th
37	0·8	1·4	0	2	18	7	0	1	1	0	0	N 56° E	1	9	5	1	0	1	1	5	1	N 34° W	5·3	0	0	0	..
45	3·3	3·5	3	3	12	10	0	1	2	0	0	N 62° E	2	7	3	0	0	1	4	6	4	N 67° W	5·6	0·57	2	0·43	9th
28	1·2	1·9	2	2	10	6	0	3	4	3	0	N 66° E	0	8	1	1	0	1	1	7	1	N 87° W	5·6	0·21	1	0·21	27th
26	0·7	1·6	4	6	7	7	1	1	1	2	2	N 41° E	1	10	5	1	0	1	7	4	7	N 20° W	4·1	0	0	0	..
45	0·5	1·2	4	4	3	1	0	4	8	7	4	N 72° W	0	8	0	1	1	2	10	7	10	N 48° W	6·0	0	0	0	..
57	4·7	6·2	7	1	2	3	1	2	5	8	2	S 73° W	4	5	2	1	1	5	4	2	4	S 78° W	5·1	2·47	7	1·05	10th
41	1·1	2·2	11	3	0	2	2	0	6	3	4	N 88° W	1	11	2	1	0	1	8	1	8	N 33° W	4·2	0	0	0	..
51	0·7	0·6	7	4	5	8	1	0	3	1	1	N 57° E	5	19	2	1	0	0	3	0	3	N 1° E	3·2	0	0	0	..
30	0·7	0·6	0	3	12	11	0	1	1	1	2	N 56° E	2	22	4	1	0	0	1	1	1	N 5° E	4·2	0	0	0	..
28	0·1	0·1	2	4	15	8	0	0	0	1	0	N 50° E	6	15	7	0	0	0	0	1	0	N 2° E	4·7	0	0	0	..
28	3·0	3·1	1	8	14	7	1	0	0	0	0	N 46° E	4	14	9	0	0	0	0	4	0	N 48° E	5·2	0	0	0	..
38	1·7	2·1	41	41	114	80	8	14	27	26	15	..	34	134	44	8	2	13	49	41	41	..	4·9	3·53	11	1·05	..
61	3·3	2·1	24	0	1	2	2	0	0	1	1	E	6	0	0	3	3	1	9	8	1	S 49° W	(c) 2·6	0	0	0	..
55	1·9	0·9	20	1	0	2	1	0	1	3	1	N 80° W	1	1	0	0	0	1	13	13	0	S 68° W	4·7	0	0	0	..
64	(a) 4·1	2·4	15	0	1	1	1	0	4	6	3	S 85° W	3	0	0	0	0	2	14	12	0	S 62° W	8·3	0	0	0	..
81	2·4	1·9	12	1	2	1	0	0	4	7	3	N 80° W	0	0	0	0	1	1	13	14	1	S 60° W	..	0·17	1	0·17	27th
75	3·1	1·3	3	0	1	2	0	0	10	13	2	S 75° W	0	0	0	0	1	2	14	14	0	S 62° W	(c) 13·8	0	0	0	..
89	5·1	1·2	0	0	1	2	0	0	9	17	1	S 77° W	0	0	0	0	1	2	13	14	0	S 62° W	12·9	0	0	0	..
81	7·8	5·5	2	1	1	3	1	1	8	12	2	S 74° W	0	1	1	1	0	2	14	12	0	S 63° W	8·7	3·07	6	1·47	13th
75	7·5	3·7	0	1	1	0	0	0	10	18	1	S 80° W	0	0	0	0	0	1	15	15	0	S 66° W	8·6	0·17	1	0·10	11th
80	7·0	3·1	1	0	3	1	2	0	10	13	0	S 68° W	0	0	0	0	0	1	14	15	0	S 66° W	9·2	0	0	0	..
52	0·7	0·7	6	0	2	1	1	1	0	2	1	..	5	0	0	0	0	2	9	9	0	(f) S 62° W	6·5	0	0	0	..
49	0·3	0·1	13	3	2	6	5	2	0	0	0	S 79° E	5	1	0	1	1	6	8	8	0	S 46° W	3·3	0	0	0	..
44	2·4	3·2	11	1	4	8	4	1	0	2	0	E	10	1	1	4	4	2	5	4	0	E	4·7	0·94	3	0·04	26th
67	3·8	2·2	107	7	19	29	17	5	56	94	15	..	30	4	2	9	11	23	141	139	2	..	..	3·45	8	1·47	..

(a) Mean of 30 days. (c) Mean of 28 days. (f) Mean of 25 days. (c) Mean of 16 days.

MONTHLY AND ANNUAL

Abstract of observations taken at 4 and 14 hrs. (G. M. T.)

Station and height of barcistern above sea-level in feet.	Month.	Pressure (reduced to 32° F. and standard gravity.)		Temperature of Air.								Temperature wet bulb.		Vapour-tension in inches of mercury.		Humi
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Ispahan (5,817)	January*	24·28	24·25	48·1	27·4	64·2	22nd	8·2	9th	32·6	42·0	28·5	36·4	·122	·154	65
	February†	·21	·21	56·5	28·8	68·6	23rd	10·0	9th	34·9	50·6	29·3	37·5	·108	·086	53
	March	·27	·21	64·5	39·9	74·8	10th	32·0	8th	45·7	59·4	38·4	45·6	·151	·165	49
	April	·27	·21	74·5	46·7	84·0	11th	32·1	3rd	55·8	69·9	44·0	50·5	·163	·170	35
	May	·30	·24	83·2	54·2	93·6	31st	42·2	3rd	64·7	79·0	52·0	57·1	·257	·234	42
	June	·24	·17	94·3	61·2	100·5	5th and 27th.	52·3	29th	74·4	89·6	57·7	60·7	·303	·231	36
	July	·05	23·99	96·7	(a) 65·5	104·2	9th	50·7	27th	76·7	92·3	61·2	66·5	·373	·386	40
	August	·25	24·20	94·0	62·1	104·8	4th	55·2	20th	72·8	90·8	57·5	63·5	·302	·285	37
	September‡	·25	·19	86·8	55·7	98·7	3rd	47·1	25th	64·5	82·0	53·0	59·6	·282	·281	46
	October (a)	·39	·33	75·7	46·5	83·2	6th	40·2	27th and 31st	53·2	68·9	45·5	53·3	·221	·240	57
	November	(b) ·39	(b) ·33	62·5	35·4	75·6	4th	22·8	25th	40·5	55·9	34·4	44·2	·133	·168	54
	December	·38	·35	42·7	22·1	57·6	9th	17·2	2nd and 5th	25·8	36·6	23·9	31·6	·111	·131	79
	Year	24·27	24·22	73·3	45·5	57·6	..	8·2	..	53·5	68·1	43·8	50·5	·211	·211	49
Tehran (4,002)	January	25·86	25·83	41·0	26·7	50·4	4th	15·4	31st	30·1	34·6	28·7	32·3	·144	·153	85
	February	·75	·73	52·7	29·3	65·4	19th	13·7	9th	36·3	45·3	33·2	38·9	·153	·163	75
	March	·74	·70	71·9	41·5	73·8	23rd	31·8	2nd	49·7	61·7	42·7	48·7	·191	·198	57
	April	·74	·69	76·3	48·5	88·6	11th	30·9	3rd	60·9	69·6	48·5	51·6	·204	·181	37
	May	·75	·69	83·9	56·6	94·3	17th	40·2	22nd	69·6	78·2	59·9	66·8	·407	·526	56
	June	·69	·61	94·0	64·1	105·5	28th	56·7	18th	78·0	89·2	67·4	78·7	·538	·865	58
	July	·54	·47	93·7	68·9	106·8	27th	59·9	20th	77·8	90·6	69·6	80·3	·638	·898	67
	August	·73	·66	95·7	64·7	102·4	4th	57·4	29th	73·8	88·8	65·2	79·3	·518	·877	63
	September	·76	·70	87·9	2·7	96·4	1st	56·9	28th	67·0	78·1	59·7	70·2	·430	·638	65
	October	·90	·84	78·8	55·3	86·6	5th	46·0	26th	58·0	65·6	51·2	58·6	·293	·418	63
	November	·94	·91	61·9	43·4	83·7	3rd	19·2	29th	45·0	49·9	40·6	46·5	·205	·282	67
	December	26·28	26·25	44·3	26·2	58·7	12th	20·0	19th	30·5	35·1	29·0	32·8	·144	·159	86
	Year	25·81	25·67	73·5	49·0	50·4	..	13·7	..	56·4	65·5	49·6	57·1	·323	·447	65

(a) Mean of 30 days. (b) Mean of 29 days. * 14 hrs. observations = Mean of 30 days. † 14 hrs. observations = Mean of 29 days.
‡ 14 hrs. observations = Mean of 28 days. *N B.*—Elevations in italics indicate barometrical determinations.

TABLE D-2 FOR 1932—*contd.*

at 15 stations in Persia, etc.

DITY.	CLOUD.		WIND DIRECTION.																				WIND VELOCITY.	RAINFALL.			
			Total number of 4 hrs. winds from									Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from									Mean wind direction at 14 hrs.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Calm.	N	NE	E	SE	S	SW	W	NW		Calm.	N	NE	E	SE	S	SW	W	NW						
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
57	4·5	3·6	29	0	0	0	0	0	1	1	0	S 68° W	25	0	0	0	0	0	3	1	1	S 70° W	1·1	0·89	5	0·29	29th
26	2·7	2·1	24	0	0	0	1	1	1	2	0	S 40° W	13	0	0	0	0	2	9	4	0	S 51° W	3·8	0·05	0	0·05	28th
30	4·6	4·3	23	0	0	0	0	0	3	1	3	(a) W	5	1	3	5	1	2	9	4	0	(a) S 23° W	3·4	0·49	1	0·39	2nd
20	3·2	4·0	16	0	0	0	0	0	7	5	2	S 73° W	13	1	2	1	0	3	7	2	1	S 47° W	3·9	0·28	1	0·21	24th
22	1·7	3·3	25	0	0	0	0	0	5	0	1	S 56° W	14	1	1	0	0	0	12	2	1	S 60° W	(a) 3·6	0	0	0	..
15	0·1	2·0	21	0	1	0	1	0	3	3	1	S 72° W	17	1	1	5	0	0	2	2	2	N 28° E	3·1	0	0	0	..
25	1·0	1·9	24	1	0	1	0	0	2	0	3	N 56° W	13	3	2	5	1	0	4	0	3	N 36° E	3·2	2·02	3	1·27	18th
19	0·7	0·9	24	0	1	0	1	0	0	1	4	N 41° W	9	4	9	4	0	0	2	2	1	N 33° E	2·5	0	0	0	..
25	0·3	1·3	22	0	1	0	0	0	3	2	2	W	8	1	10	2	2	0	5	1	0	N 62° E	2·5	0	0	0	..
33	0·9	3·4	21	1	0	0	1	0	3	2	2	S 85° W	16	0	10	1	1	0	0	0	3	N 28° E	(b) 1·8	0·01	0	0·01	16th
38	2·0	2·5	22	0	0	0	0	0	0	2	6	N 56° W	13	1	7	4	0	0	0	3	2	N 46° E	1·9	0·06	0	0·06	21st
60	4·1	9·1	27	1	0	0	0	0	1	0	2	N 51° W	21	1	0	1	1	0	2	1	4	N 62° W	2·1	0	0	0	..
31	2·1	3·2	278	3	3	1	4	1	29	19	26	..	167	14	45	28	6	7	55	22	18	..	2·7	3·80	10	1·27	..
77	7·3	6·4	25	0	2	1	0	2	1	0	0	S 53° E	20	1	1	1	0	2	3	2	1	S 61° W	0·6	1·37	4	0·74	24th
54	3·8	4·0	16	3	4	3	1	0	1	0	1	N 45° E	15	0	1	2	0	1	5	4	1	S 61° W	2·0	0·33	2	0·14	25th
36	3·9	4·1	21	1	3	3	0	1	1	1	0	N 68° E	16	0	1	1	1	2	6	3	1	S 45° W	1·9	1·10	3	0·53	18th
25	1·7	4·0	24	0	1	0	1	0	2	2	0	S 55° W	13	0	0	0	1	1	6	7	2	S 69° W	2·0	1·31	2	1·03	24th
55	1·4	3·5	23	0	0	0	3	1	2	1	1	S 15° W	15	2	2	1	0	1	6	3	1	S 79° W	1·5	0·28	1	0·18	20th
64	1·1	0·5	27	0	0	0	0	0	2	1	0	S 60° W	25	0	0	0	0	0	2	2	1	S 80° W	1·2	0·62	2	0·43	8th
64	1·8	1·7	29	0	0	0	1	0	0	1	0	S 23° W	25	0	0	0	2	0	1	2	1	S 55° W	1·1	0·46	2	0·16	19th
66	0·3	0	27	0	0	0	0	3	1	0	0	S 11° W	26	0	0	0	1	2	2	0	0	S 10° W	1·1	0·02	0	0·02	30th
68	0·7	1·8	27	0	1	0	0	0	2	0	0	S 45° W	22	0	0	0	4	2	1	0	1	S 16° E	1·2	0·04	0	0·03	9th
67	1·7	2·2	27	1	0	0	1	0	1	0	1	N 67° W	23	2	0	0	0	2	1	1	2	N 77° W	1·2	0·15	1	0·12	18th
77	3·1	4·3	20	4	6	0	0	0	0	0	0	N 27° E	23	1	0	1	0	0	0	1	4	N 36° W	(a) 1·5	0·53	2	0·36	18th
77	4·4	4·2	14	5	3	3	0	2	3	0	1	N 32° E	21	1	0	0	0	0	3	5	1	S 87° W	1·4	0·70	2	0·45	15th
61	2·6	3·1	280	14	20	10	7	9	16	[illegible]	4	..	244	7	5	6	9	13	36	30	16	..	1·4	6·91	21	1·03	..

(a) Mean of 30 days.

(b) Mean of 29 days.

MONTHLY AND ANNUAL

Abstract of observations taken in the forenoon and afternoon

Station and height of barometer cistern above sea-level in feet with the time of observation.	Month.	Pressure (Reduced to 32° F. and standard gravity.) Mean at Time I.	Mean at Time II.	Temperature of Air. Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean at Time I.	Mean at Time II.	Temperature Wet Bulb. Mean at Time I.	Mean at Time II.	Vapour-tension in inches of mercury. Mean at Time I.	Mean at Time II.	Humi Mean at Time I
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Seistan (2,000). Time I—4 hrs. (G. M. T.) Time II—12 hrs. (G. M. T.)	January	28·529	28·451	57·9	36·1	73·6	30th	24·0	10th	39·4	56·5	36·8	46·7	·189	·199	77
	February	·385	·291	69·9	38·1	81·6	23rd	27·5	3rd	45·6	68·2	39·7	50·7	·173	·158	55
	March	·361	·250	72·6	50·9	91·4	3rd	35·6	11th	56·4	70·7	52·4	59·1	·338	·356	75
	April	·232	·125	87·3	59·7	99·4	13th	49·3	5th	69·6	85·7	61·8	66·2	·455	·394	62
	May	·220	·087	92·1	67·0	104·6	20th	56·7	11th	76·2	91·2	62·0	68·3	·381	·396	40
	June	·011	27·923	99·0	73·3	108·0	27th	65·9	26th	81·3	98·3	63·7	70·2	·377	·381	33
	July	27·834	·731	103·2	80·9	109·1	19th	75·6	22nd	86·6	102·8	67·6	73·7	·446	·473	34
	August	28·213	·943	97·2	75·1	103·5	5th	68·2	28th	81·1	96·6	63·0	69·9	·350	·400	32
	September	·159	28·068	91·8	67·7	101·0	4th	57·8	30th	75·8	91·1	58·8	64·6	·288	·286	31
	October	·400	·304	81·2	52·3	91·5	11th	36·7	28th	62·2	80·0	51·1	58·6	·238	·232	42
	November	·495	·405	69·2	40·9	81·0	19th	26·6	26th	49·1	67·7	42·0	52·0	·181	·196	52
	December	·623	·545	52·7	30·9	66·8	11th	24·4	27th and 30th	36·5	50·6	32·6	40·7	·139	·134	65
	Year	28·289	28·178	81·2	56·1	109·1	..	24·0	..	63·3	79·9	52·6	60·1	·296	·300	50
Air Ship Base Observatory Drigh Road (Karachi) (77). Time I—32 hrs. (G. M. T.) Time II—14 hrs. (G. M. T.)	January	30·025	29·961	80·7	52·9	89·8	26th	44·0	14th	57·9	70·2	52·1	60·2	·311	·384	65
	February	29·904	·844	82·2	54·7	88·4	11th	44·0	16th	61·3	72·0	54·9	61·6	·346	·415	63
	March	·861	·794	88·8	64·5	98·0	19th	54·7	31st	72·9	78·2	65·4	67·0	·516	·513	66
	April	·751	·682	93·2	70·7	108·8	12th	61·9	1st	79·7	82·6	70·6	71·1	·636	·602	64
	May	·608	·544	97·0	77·0	116·8	24th	72·2	22nd	85·3	86·1	77·2	78·2	·818	·849	69
	June	·488	·432	92·3	81·3	94·9	19th	79·5	6th	85·7	85·4	78·7	78·9	·894	·901	72
	July	·386	·337	92·4	80·4	100·4	11th	75·2	25th	84·5	84·1	79·4	79·4	·921	·928	79
	August	·541	·503	86·4	77·7	91·8	31st	73·1	10th	80·6	81·4	76·4	76·0	·842	·821	82
	September	·608	·551	88·7	76·9	92·2	4th	71·2	26th	81·1	81·2	75·4	75·8	·792	·821	76
	October	·785	·712	93·1	67·3	102·5	13th, 16th	60·8	27th	79·8	84·6	65·5	70·1	·422	·537	45
	November	·913	·849	90·5	55·5	95·5	1st	51·5	24th and 25th	67·3	75·7	54·2	64·6	·245	·469	37
	December	·987	·929	81·2	(a) 52·0	90·3	3rd	36·0	30th	60·2	69·5	50·0	56·8	·228	·298	43
	Year	29·738	29·678	89·3	7·6	116·3	..	36·0	..	74·7	79·3	66·7	70·0	·591	·628	63

(a) Mean of 30 days.

TABLE D-2 FOR 1932—*contd.*

at 15 stations in Persia, etc.

DITY	CLOUD.		WIND DIRECTION.																			WIND VELOCITY.	RAINFALL.			
Mean at Time II.	Mean at Time I.	Mean at Time II.	Total number of winds from at Time I.									Mean wind direction at Time I.	Total number of winds from at Time II.									Mean wind direction at Time II.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
			Calm.	N	NE	E	SE	S	SW	W	NW		Calm.	N	NE	E	SE	S	SW	W	NW						
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
42	6·3	5·6	10	3	3	0	2	0	0	0	13	N 24° W	2	3	1	0	6	0	0	0	19	N 33° W	4·9	0·29	1	0·15	8th
21	2·1	3·6	2	7	3	2	8	0	1	0	6	N 34° E	4	4	5	0	11	0	0	1	4	N 71° E	4·1	0	0	0	..
48	5·4	6·0	3	2	13	0	4	0	0	1	8	N 21° E	4	4	8	0	7	0	0	0	8	N 25° E	5·9	2·22	5	0·91	8th
31	2·9	4·0	2	5	7	0	10	0	2	0	4	N 61° E	4	2	12	0	4	0	0	0	8	N 67° E	4·3	0·12	1	0·12	27th
27	1·4	2·9	0	8	1	0	2	0	0	2	18	N 32° W	2	5	6	1	0	0	0	0	17	N 17° W	8·5	0	0	0	..
20	0·6	0·4	0	6	0	0	0	0	0	0	24	N 36° W	1	3	0	0	0	0	0	2	24	N 44° W	12·2	0	0	0	..
22	2·2	1·2	0	13	0	0	1	0	0	0	17	N 25°W	3	12	1	0	0	0	0	1	14	N 24° W	12·9	0	0	0	..
22	0·5	0·6	0	13	0	0	1	0	0	0	17	N 25° W	0	11	2	0	1	0	0	0	17	N 23° W	15·9	0	0	0	..
18	1·0	0·4	0	15	0	0	0	0	0	0	15	N 22° W	0	16	5	0	1	0	0	0	8	N 3° W	11·9	0	0	0	..
21	0·3	0·4	3	5	1	0	4	0	2	0	16	N 5° W	2	15	1	0	3	0	0	0	10	N 12° W	7·6	0	0	0	..
27	1·9	1·9	5	12	0	0	5	0	1	0	7	N 9° W	7	10	3	0	5	0	0	0	5	N 10° E	6·0	0	0	0	..
38	4·9	3·9	10	8	0	0	1	0	1	0	11	N 28° W	6	7	1	0	1	0	0	0	16	N 28° W	5·9	0·14	1	0·10	18th
28	2·5	2·6	35	97	28	2	38	0	7	3	156	..	35	92	45	1	39	0	0	4	150	..	8·3	2·77	8	0·91	..
54	3·0	2·6	4	12	12	1	0	0	0	1	1	N 20° E	1	1	6	4	0	0	9	9	1	S 87° W	6·5	0·06	0	0·06	9th
53	1·2	1·4	4	9	9	0	0	0	1	4	2	N 1° E	0	0	1	1	0	0	11	15	1	S 74° W	8·0	0	0	0	..
57	3·3	3·0	5	5	5	1	1	0	2	10	2	N 44°W	0	0	0	0	0	1	12	17	1	S 72° W	9·1	0	0	0	..
54	3·3	3·0	4	4	1	0	0	0	2	16	3	N 74°W	0	0	0	0	0	0	13	17	0	S 71° W	11·4	0	0	0	..
70	2·8	2·2	0	0	0	0	1	0	4	24	2	S 86° W	0	0	0	0	0	0	13	17	1	S 73° W	12·3	0	0	0	..
74	6·0	4·7	0	0	0	0	0	0	9	21	0	S 77° W	0	0	0	0	0	1	15	14	0	S 65° W	16·4	0	0	0	..
81	8·3	7·5	0	0	1	2	0	0	5	16	7	N 75° W	0	0	0	0	0	0	15	14	2	S 71° W	12·7	7·99	9	2·14	18th
77	8·7	6·8	0	0	0	0	0	0	9	20	2	S 80° W	0	0	0	0	0	0	15	15	1	S 69° W	13·8	1·29	2	0·82	10th
77	7·5	4·9	0	0	0	0	0	0	9	19	2	S 80° W	0	0	0	0	0	0	15	14	1	S 69° W	12·5	0·07	0	0·05	10th
48	2·3	1·2	4	7	9	0	1	0	1	5	4	N 6° W	0	0	2	1	1	1	10	12	4	S 76° W	6·1	0	0	0	..
52	0·5	0·1	0	11	16	1	1	0	0	0	1	N 29° E	0	0	1	1	1	1	7	17	2	S 78° W	5·1	0	0	0	..
41	3·6	2·6	3	12	13	1	0	0	0	1	1	N 21° E	1	3	7	5	0	0	7	8	0	N 45° W	6·7	0	0	0	..
61	4·2	3·3	24	60	66	6	4	0	42	137	27	..	2	4	17	12	2	4	142	169	14	..	10·1	9·41	11	2·14	..

MONTHLY AND ANNUAL

Abstract of observations taken at 4 hrs. and 14 hrs. (G.M.T.)

Station and height of bar-cistern above sea-level in feet.	Month.	Pressure (Reduced to 32° F. and standard gravity.)		Temperature of Air.								Temperature wet bulb.		Vapour-tension in inches of mercury.		Humi
		Mean 4 hrs.	Mean 14 hrs.	Mean maximum.	Mean minimum.	Highest maximum.	Date.	Lowest minimum.	Date.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs.	Mean 4 hrs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Meshed (3,104)	January	26·136	26·088	39·3	19·9	57·2	1st	2·4	10th	29·7	31·9	28·6	30·4	·146	·150	88
	February	25·983	25·917	52·2	22·8	67·2	23rd	7·4	1st	33·7	41·6	31·8	38·0	·158	·188	82
	March	·998	·928	58·2	38·2	75·2	24th, 25th and 26th	22·4	10th	43·9	50·5	41·6	46·2	·238	·258	84
	April	·863	·798	74·0	40·7	88·2	11th, and 12th	29·9	3rd	55·9	65·7	50·6	55·9	·310	·333	71
	May	·917	·849	72·2	45·0	82·7	29th	33·9	4th	62·5	71·7	55·7	58·4	·367	·326	63
	June	·824	·739	89·7	50·5	98·2	14th and 15th	40·9	22nd	70·6	81·9	59·2	62·0	·366	·323	49
	July	·706	·625	93·7	56·4	99·2	27th, 28th and 29th	48·9	1st	75·7	85·6	64·5	67·7	·488	·474	54
	August	·886	·811	89·6	53·2	95·7	28th	46·4	4th	68·5	80·0	57·4	59·5	·338	·262	49
	September	·949	·872	84·0	46·8	97·7	6th	38·5	22nd and 30th	61·7	72·9	51·6	56·3	·272	·258	49
	October	26·050	26·004	73·5	37·2	86·2	6th	25·0	16th and 27th	47·4	60·2	41·8	49·7	·204	·239	61
	November	·136	·064	58·2	28·5	75·2	4th	12·0	13th	34·5	45·5	31·8	40·1	·153	·184	77
	December	·240	·143	39·3	14·9	63·2	13th	6·0	29th	21·9	29·8	20·1	27·3	·089	·121	75
	Year	25·974	25·903	68·7	37·8	99·2	..	2·4	..	50·5	59·8	44·5	49·3	·261	·260	67

TABLE D-2 FOR 1932—*concld.*

at 15 stations in Persia, etc.

DITY.	CLOUD.		WIND DIRECTION.																			WIND VELOCITY.	RAINFALL.			
			Total number of 4 hrs. winds from									Mean wind direction at 4 hrs.	Total number of 14 hrs. winds from									Mean wind direction at 14 hrs.	Mean daily velocity in miles per hr.	Total rainfall.	Number of rainy days.	Heaviest rainfall.	Date.
Mean 14 hrs.	Mean 4 hrs.	Mean 14 hrs	Calm.	N	NE	E	SE	S	SW	W	NW		Calm.	N	NE	E	SE	S	SW	W	NW						
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
87	7·9	6·7	21	0	0	0	6	1	0	2	1	S 18° E	23	0	0	0	4	2	0	2	0	S 9° E	1·3	3·41	10	0·74	15th
72	5·1	4·2	23	0	0	0	3	2	0	1	0	S 15° E	18	0	0	0	6	1	0	2	2	S 12° E	1·4	0·54	1	0·42	29th
73	6·5	5·6	16	2	2	0	9	0	0	0	2	S 77° E	14	0	0	0	15	0	0	1	1	S 42° E	2·2	3·08	7	0·83	28th
52	4·4	5·2	26	0	0	0	1	0	0	0	3	N 45° W	18	0	2	0	7	0	0	2	1	S 52° E	1·5	1·27	4	0·57	3rd
42	3·1	4·3	21	1	1	0	1	1	0	4	2	N 71° W	15	1	11	0	4	0	0	0	0	N 61° E	1·3	1·70	3	0·88	3rd
29	1·3	2·6	25	0	0	0	2	0	0	0	3	N 45° W	4	0	25	0	0	1	0	0	0	N 47° E	1·7	0·08	0	0·08	8th
38	1·5	1·5	23	1	3	0	4	0	0	0	0	N 37° E	7	0	22	0	2	0	0	0	0	N 50° E	1·8	0·07	0	0·04	15th
25	0·6	0·6	27	0	1	0	3	0	0	0	0	S 63° E	5	0	23	0	3	0	0	0	0	N 52° E	1·5	0	0	0	..
33	1·0	1·0	28	0	0	0	2	0	0	0	0	S 45° E	11	0	14	0	5	0	0	0	0	N 65° E	1·4	0	0	0	..
46	2·0	2·4	27	0	1	0	3	0	0	0	0	S 63° E	18	0	2	0	10	0	0	1	0	S 52° E	1·4	0·10	1	0·10	25th
63	3·7	3·5	26	0	0	0	2	2	0	0	0	S 22° E	15	0	1	0	12	2	0	0	0	S 43° E	1·7	0·39	2	0·15	22nd
76	4·6	3·9	25	0	0	0	4	1	0	0	1	S 34° E	25	0	0	0	5	0	0	0	1	S 45° E	0·9	0·63	2	0·34	16th
58	3·5	3·5	288	4	8	0	40	7	0	7	12	..	173	1	100	0	73	6	0	8	5	..	1·5	11·27	30	0·88	..

Table D-3.—Abstract of Observations taken at 8 hrs. (local time) at 231 Stations in the year 1932.

ANNUAL TABLE D-3 FOR 1932.

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud.	Rainfall.				
					Mean 8 hrs.		Maximum.			Minimum.										
	At 8 hrs. reduced to 32° F. and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest during year.	Mean.	Departure from normal.	Lowest during year.	Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall during year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Bay Islands.																				
Port Blair (59)	29·776	—·005	..	4·6	79·7	74·7	86·1	—1·0	94	76·9	—0·1	69	78	—6	6·4	123·01	+6·59	125	—13·6	6·15
P. V. Fraser (Sandheads) (8)	29·759	—·022	..	..	80·8	76·1	..	..	..	..	..	..	80	0	4·2	48·42	+7·53	64	+8·3	3·04
Lower Burma.																				
Victoria Point (147)	29·722	+·020	..	5·5	79·2	75·2	85·1	—0·6	93	75·2	+0·3	65	82	—2	7·5	142·75	—23·71	150	—6·7	6·83
Mergui (66)	29·795	—·002	..	..	76·5	74·3	86·1	—1·3	97	72·4	+0·5	57	90	+3	2·9	149·49	—11·75	154	+0·2	4·36
Tavoy (19)	29·852	+·002	..	2·5	76·7	72·9	88·8	+0·9	99	71·1	—0·3	51	83	—5	5·7	192·42	—22·32	153	+8·6	7·47
Amherst (71)	29·791	..	..	6·9	78·5	74·2	86·5	..	93	73·8	..	60	80	..	6·5	194·63	..	140	..	6·79
Rangoon (18)	29·832	+·001	..	3·1	77·3	73·6	89·9	+0·6	102	73·6	+0·6	60	83	—4	5·6	87·39	—11·64	115	—7·3	3·41
Bassein (27)	29·821	+·003	..	3·1	78·5	74·1	90·2	+2·0	103	72·4	—0·2	57	80	—8	5·3	83·32	—25·81	110	—14·8	3·44
Diamond Island (41)	29·786	—·011	..	6·6	80·4	75·8	85·1	—0·2	91	77·1	+1·4	62	80	0	5·2	128·68	+10·78	115	+1·2	5·94
Gwa (11)	29·827	..	..	4·3	76·7	73·9	86·0	..	96	70·7	..	52	87	..	4·3	168·43	—3·13	127	+8·3	8·71
Toungoo (158)	29·696	+·010	..	..	75·9	71·9	90·8	+0·9	107	71·0	+0·6	52	82	—4	5·5	73·96	—9·00	98	—16·7	4·03
Kyaukpyu (18)	29·806	—·001	..	4·0	78·4	74·8	84·8	+0·1	96	74·0	+1·2	59	84	—2	4·9	184·19	—3·60	131	+1·9	7·65
Akyab (20)	29·805	—·002	..	7·1	76·1	72·8	85·4	—0·4	98	71·4	—0·3	54	85	—4	5·4	182·54	—20·83	127	+1·5	10·52
Upper Burma.																				
Minbu (168)	29·651	—·013	..	..	78·1	71·1	92·0	+0·6	110	72·1	+0·7	53	69	—6	2·7	32·44	—2·94	48	—9·2	2·34
Yamethin (644)	29·184	+·001	..	3·9	75·8	69·9	91·4	+0·3	106	69·7	—0·1	50	73	—6	3·7	35·47	—2·35	53	—10·3	2·16
Mandalay (250)	29·573	—·009	..	3·2	76·7	71·5	93·0	+0·2	108	72·3	+1·0	53	77	+3	3·9	39·34	+6·18	47	—3·8	3·95
Monywa (280)	29·554	—·008	..	2·7	76·7	70·6	93·5	+1·9	112	71·7	+0·5	53	74	—3	4·1	20·18	—10·87	40	—4·1	2·16
Lashio (2,802)	27·060	+·006	..	2·6	66·1	62·7	81·2	—0·4	98	61·1	+0·6	39	83	—3	5·7	54·50	—7·37	96	—4·7	2·98
Bhamo (416)	29·442	—·005	..	2·1	71·1	68·0	85·7	—0·2	106	66·1	+1·2	44	85	—4	6·5	77·05	+5·04	106	+5·5	3·49
Myitkyina (463)	29·359	0	..	3·0	70·6	67·8	85·0	+0·9	105	66·5	+0·9	47	85	—2	5·9	106·59	+27·60	106	+0·5	8·44
Assam.																				
Dibrugarh (348)	29·479	—·015	..	1·9	69·2	67·0	81·5	+0·7	96	65·6	+0·4	47	89	—3	5·5	127·05	+18·63	161	+26·5	4·75
Sibsagar (338)	29·515	—·001	..	..	70·6	68·9	83·1	+1·8	98	66·5	+0·8	45	92	—2	8·0	105·57	+9·58	141	+12·5	4·13
Tezpur (258)	29·579	—·003	..	2·2	72·1	69·1	84·1	+0·9	99	67·8	+0·8	49	85	—4	6·0	81·89	—7·65	122	+16·9	5·14
Gauhati (196)	29·624	—·021	..	2·3	72·0	69·4	84·8	+0·3	102	66·5	+0·2	43	87	—1	5·9	53·61	—11·68	80	—12·8	1·83
Dhubri (115)	29·694	—·010	..	5·4	72·7	69·9	82·7	—0·1	104	68·8	+0·8	49	86	—1	4·4	100·92	+4·42	102	+7·7	4·70
Silchar (104)	29·744	+·005	..	1·7	72·5	69·9	86·5	+0·4	98	67·8	+0·3	47	87	0	5·2	143·47	+18·79	135	—1·1	6·86
Srimangal (69)	29·754	—·002	..	..	73·3	70·8	87·5	—0·3	101	67·0	+1·9	42	88	0	4·6	76·32	—22·21	125	+1·3	3·20
Bengal.																				
Cox's Bazar (36)	29·785	+·007	..	2·7	76·6	72·6	85·3	+0·4	98	70·2	+0·6	52	81	—5	5·3	141·66	+1·02	108	+1·0	8·40
Chittagong (87)	29·733	—·002	..	6·6	74·6	70·9	86·3	+1·4	98	70·1	+0·8	51	83	—3	4·7	117·52	+14·79	97	+2·0	9·60
Noakhali (22)	29·781	—·015	..	4·8	76·4	73·4	85·7	+1·1	95	72·7	+3·4	53	86	—1	4·8	68·68	—52·23	105	—8·0	3·82
Narayanganj (26)	29·770	—·014	..	3·3	76·5	72·4	87·6	+1·4	103	71·4	+0·9	51	81	—4	4·9	64·03	—9·79	85	—8·3	3·14
Mymensingh (63)	29·754	—·001	..	1·3	74·0	71·3	86·4	+1·6	105	69·4	+0·5	48	87	0	5·3	83·96	—8·99	99	—6·4	6·71
Barisal (12)	29·784	—·005	..	3·6	76·7	73·2	86·9	+1·1	99	71·5	+1·2	51	84	—1	4·4	87·00	+4·69	99	—4·2	4·24
Khulna (16)	29·782	—·012	..	4·0	77·1	73·4	87·6	+1·2	103	71·4	+1·8	49	83	+3	5·4	76·96	+10·90	104	+7·0	6·07
Jessore (26)	29·772	0	..	3·5	76·4	73·4	88·1	..	106	68·7	..	44	86	+2	4·1	52·74	—13·29	89	+1·0	5·33
Satkhira	29·775	—·029	..	2·7	76·4	73·2	89·0	+1·0	106	70·5	+1·5	48	85	+1	4·6	66·91	+4·42	89	—6·5	7·37
Calcutta (21)	29·767	—·008	..	3·1	75·7	72·7	88·3	+1·4	105	72·3	+1·6	51	86	+3	4·6	62·90	+0·36	92	+6·8	6·04

ANNUAL TABLE D-3 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
					Mean 8 hrs.		Maximum.			Minimum.										
	At 8 hrs. reduced to 32°F. and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest during year.	Mean.	Departure from normal.	Lowest during year.	Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall during year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Bengal—*contd.*																				
Saugor Island (10)	29·770	—·011	..	11·3	78·7	74·7	84·5	—0·9	93	74·6	+1·2	53	82	—3	6·0	75·22	+5·81	79	—0·6	7·98
Midnapore (149)	29·639	—·001	..	2·8	76·0	71·3	96·1	+0·3	112	71·0	+0·5	48	79	+3	4·3	60·83	+1·08	84	+3·7	2·93
Burdwan (99)	29·681	—·015	..	2·5	74·9	71·4	90·1	+1·4	108	70·6	+0·2	49	84	+5	3·5	57·55	—1·08	69	—7·9	4·40
Asansol (414)	29·358	—·011	..	3·9	75·3	68·5	90·3	+1·2	112	69·6	+0·9	47	69	—6	3·8	44·26	—11·33	69	—5·9	3·10
Berhampore (65)	29·732	—·001	..	2·9	76·4	71·7	90·9	+3·3	111	69·5	—0·1	47	79	—4	4·4	51·61	—5·50	71	—6·2	4·26
Bogra (66)	29·740	—·001	..	2·6	75·1	71·0	87·7	+1·5	108	68·9	+0·8	47	81	—2	5·1	66·82	—4·15	87	+1·7	7·83
Dinajpur (123)	29·667	—·011	..	2·3	73·6	69·1	87·3	+1·3	107	67·5	+0·6	42	79	—4	4·7	71·95	+0·85	78	—1·5	5·12
Jalpaiguri (274)	29·541	+·001	..	2·6	72·7	70·1	86·5	+2·2	104	66·9	+0·7	41	87	+1	4·1	129·92	+7·60	115	+11·8	6·13
Balasore (64)	29·724	—·005	..	4·8	77·1	72·6	87·9	—0·7	105	71·5	+1·0	52	79	—2	5·3	53·63	—9·10	75	—3·0	3·54
Chandbali (20)	29·771	..	..	6·4	77·3	73·5	..	..	..	..	..	..	83	..	3·7	66·04	..	77	..	4·20
Puri (20)	29·765	—·010	..	10·6	78·8	74·6	85·7	—0·6	104	75·3	+0·7	59	81	—2	4·8	62·05	+7·49	62	+0·3	5·99
Cuttack (87)	29·711	+·001	..	2·5	76·9	72·6	91·5	+0·6	111	72·1	—0·4	53	81	—2	4·6	56·70	—2·57	67	—7·9	7·10
Angul (455)	29·335	0	..	..	74·9	70·0	90·4	+0·5	111	70·2	+0·7	50	78	+2	4·4	55·42	+7·59	70	—2·3	9·60
Sambalpur (486)	29·304	—·007	..	3·3	75·4	68·8	91·2	+0·7	113	69·0	—0·8	46	71	0	4·2	63·53	—2·20	69	—4·9	3·52
Chota-Nagpur.																				
Jamshedpur (423)	29·349	..	..	2·7	74·0	68·5	90·7	..	109	68·5	..	44	75	..	3·9	46·60	..	72	..	2·48
Chaibasa (733)	29·043	0	..	2·3	75·4	69·4	90·1	+0·2	113	68·5	+0·3	47	73	—3	4·7	45·27	—6·52	72	—2·4	2·67
Ranchi (2,152)	27·638	+·004	..	3·2	73·0	64·0	84·9	+0·7	108	64·9	—0·6	44	60	—6	3·9	48·25	—8·96	70	—10·2	3·25
Daltonganj (725)	29·053	0	..	3·4	74·3	65·8	89·8	+0·3	113	66·8	+1·5	43	64	—9	2·4	50·57	+5·92	58	—3·5	7·25
Bihar.																				
Purnea (124)	29·665	—·015	..	2·4	73·1	68·6	87·6	+1·1	107	66·3	0	41	79	—6	3·5	48·89	—13·39	65	—5·8	4·52
Darbhanga (177)	29·611	—·018	..	3·9	74·9	69·4	..	..	..	..	..	..	75	—5	3·9	34·11	—16·16	51	—8·0	4·46
Motihari (221)	29·550	—·022	..	3·8	73·6	68·4	88·8	+2·3	109	..	..	..	76	—7	2·6	24·64	—30·22	48	—10·9	1·97
Patna (173)	29·602	—·006	..	3·9	75·8	68·4	90·1	+2·8	111	69·8	+1·2	45	68	—4	3·9	31·31	—17·22	45	—11·0	6·43
Gaya (372)	29·408	—·005	..	3·3	78·0	67·4	92·4	+2·7	114	69·6	+0·7	47	57	—13	2·9	30·71	—16·77	51	—7·0	3·14
Naya Dumka (489)	29·295	—·003	..	2·6	75·7	68·9	89·2	+1·5	114	68·2	+0·4	45	70	—3	3·6	47·58	—9·51	76	—1·9	2·27
Sabour (122)	29·661	..	..	4·8	72·9	68·4	88·4	..	110	66·7	..	39	80	..	4·0	34·89	—13·49	53	—7·6	4·21
United Provinces, East.																				
Gorakhpur (257)	29·517	—·009	..	2·4	73·9	67·6	90·1	+2·4	112	67·3	+0·6	43	73	—2	3·5	46·20	—3·99	40	—16·6	8·21
Benares (250)	29·521	—·013	..	3·8	75·6	66·5	91·5	+2·0	114	67·8	+1·2	43	63	—8	3·5	33·88	—6·67	44	—8·7	3·45
Allahabad (309)	29·466	—·008	..	4·0	75·1	65·3	92·0	+1·9	116	67·1	+0·3	41	60	—5	3·2	27·14	—11·92	41	—8·0	2·33
Fatehpur (375)	29·392	..	..	2·6	77·8	66·8	92·3	..	115	66·7	..	41	55	..	2·6	23·55	..	30	..	6·90
Cawnpore (416)	29·352	—·012	..	1·8	74·4	65·3	92·7	+2·8	116	67·6	+1·2	41	62	—4	1·6	22·05	—13·87	33	—11·5	3·26
Lucknow (371)	29·402	—·011	..	2·6	73·9	65·9	91·7	+2·0	114	67·1	+1·4	42	66	—2	2·8	18·67	—19·90	32	—16·3	2·05
Bahraich (407)	29·354	—·013	..	3·7	74·0	66·2	89·8	+1·7	113	66·6	+0·9	42	66	—7	2·0	36·02	—9·28	40	—9·7	5·32
Gonda (360)	29·424	..	..	3·5	72·9	66·2	90·3	..	112	66·6	..	42	71	..	2·6	37·22	..	44	..	3·04
United Provinces, West.																				
Jhansi (824)	28·955	—·018	..	1·2	76·8	64·3	92·8	+1·6	116	67·3	—1·7	42	49	—9	2·8	41·80	+5·63	44	—2·6	5·29
Agra (554)	29·215	—·016	..	3·9	72·5	62·5	91·4	—0·3	115	64·0	+0·2	36	57	—2	2·5	23·81	—3·09	30	—8·0	4·26
Mainpuri (516)	29·246	—·014	..	3·5	74·7	65·3	92·1	+2·0	117	65·0	—0·6	39	60	—5	3·1	32·69	+5·62	35	—3·6	5·67
Aligarh (615)	29·159	..	..	3·5	74·0	64·6	90·7	..	115	65·9	..	41	59	..	2·1	25·15	..	37	..	3·57

ANNUAL TABLE D-3 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
					Mean 8 hrs.		Maximum.			Minimum.										
	At 8 hrs. reduced to 32° F. and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest during year.	Mean.	Departure from normal.	Lowest during year.	Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall during year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
United Provinces, West—*contd.*																				
Bareilly (568)	29·208	+·005	..	2·3	72·5	64·4	90·3	+2·8	114	65·8	+1·1	41	65	—8	2·6	21·95	—21·72	35	—11·3	3·18
Roorkee (899)	28·870	—·005	..	2·6	69·9	62·2	87·1	+0·7	116	62·5	+0·3	35	67	—4	2·9	49·52	+7·54	43	—4·7	6·61
Dehra Dun (2,239)	27·547	—·002	..	1·7	64·8	57·9	83·4	+2·2	110	60·0	—0·7	36	66	—4	3·6	91·90	+8·74	68	—12·3	5·16
Punjab, East and North.																				
Delhi (719)	29·056	—·002	..	3·3	72·3	62·3	89·9	..	113	64·4	..	35	56	..	2·8	21·12	—5·72	28	—8·0	6·26
Hissar (725)	29·053	+·001	..	3·8	72·6	62·3	91·9	+0·6	116	63·0	—1·1	35	54	—6	1·8	10·97	—3·50	22	—1·8	2·32
Ambala (892)	28·870	—·006	..	3·2	71·4	61·9	89·4	+1·5	117	63.9	+1·2	39	59	—11	2·9	58·43	+27·94	48	+5·6	8·33
Ludhiana (812)	28·959	0	..	1·8	71·9	61·9	89·9	+2·1	118	62·6	—1·4	35	56	—9	2·6	22·68	—6·03	29	—7·3	3·45
Lahore (702)	29·065	—·002	..	1·5	71·0	62·4	89·9	+0·3	116	62·1	+1·5	33	64	+2	2·7	13·63	—5·99	26	—2·1	2·99
Sialkot (830)	28·938	—·004	..	1·7	6·97	61·5	88·5	+1·4	117	62·1	—0·3	34	65	—3	2·7	27·03	—3·99	38	—2·5	4·56
Rawalpindi (1,674)	28·104	—·010	..	2·1	67·9	56·9	86·3	+2·2	115	58·7	+1·0	28	52	—13	3·5	25·82	—8·65	46	—2·2	2·50
Punjab, South-West.																				
Khushab (612)	29·154	—·017	..	4·6	73·1	62·4	90·9	+1·4	118	63·3	—0·4	30	53	—2	2·2	13·60	—1·29	21	—2·9	3·11
Lyallpur (605)	29·175	—·021	..	2·5	72·4	61·7	90·4	+1·8	116	63·1	+1·0	32	54	—9	2·6	7·32	—5·86	14	—7·5	1·17
Montgomery (558)	29·203	—·010	..	2·4	71·7	..	91·3	+0·2	118	63·9	—0·3	33	..	..	1·8	3·28	—7·28	9	—9·1	0·95
Multan (426)	29·340	—·006	..	2·5	74·5	63·3	93·6	+1·9	122	65·9	0	38	52	—8	2·1	8·24	+1·04	16	+3·2	1·40
Bahawalpur (384)	29,389	..	..	2·9	73·0	63·7	93·2	..	120	63·7	..	35	59	..	1·6	6·28	+0·43	12	+2·7	1·52
Khanpur (297)	29·488	..	..	5·4	71·6	62·7	94·8	..	121	63·2	..	34	59	..	1·5	10·32	+3·67	11	+1·7	2·75
Kashmir.																				
Srinagar (5,204)	24·870	+·015	..	2·6	49·8	46·9	69·2	+1·5	98	43·5	—0·2	13	83	—4	4·3	26·99	+1·12	54	—4·6	3·81
Dras (*10,059*)	20·801	+·030	..	3·9	31·9	..	..	..	..	24·4	+3·4	—30	..	..	3·8	16·58	—4·94	36	—19·1	2·05
Leh (*11,503*)	19·692	+·019	..	2·8	37·8	31·6	55·9	+0·5	88	30·6	+1·0	—10	58	+7	4·8	3·21	+0·03	12	+2·4	0·36
Skardu (*7,505*)	22·877	+·032	..	..	47·9	43·5	64·4	+1·8	103	41·6	+1·1	—3	72	+6	4·3	4·07	—2·89	11	—7·4	0·88
Gilgit (4,890)	..	..	..	1·2	58·3	52·1	72·5	—0·5	104	53·1	+0·8	21	65	+13	4·8	2·36	—2·45	8	—7·2	0·46
North-West Frontier Province.																				
Peshawar (1,164)	28·627	—·016	..	2·5	69·5	59·2	87·4	+2·7	114	61·2	+0·9	31	54	+2	3·7	17·83	+4·32	26	+0·1	2·67
Miranshah (3,039)	..	..	..	3·3	66·8	55·2	80·1	..	104	..	..	..	47	..	1·5	11·73	..	26	..	1·10
Dera Ismail Khan (570)	29·206	+·004	..	1·9	71·9	62·7	90·5	+0·8	118	61·9	—0·7	31	58	—7	2·4	11·59	+2·50	19	+2·7	3·00
Baluchistan.																				
Fort Sandeman (4,614)	25·348	—·034	..	2·7	57·5	46·9	79·8	—0·7	104	..	..	..	43	—11	1·8	9·11	—1·84	25	+0·3	0·94
Quetta (5,407)	24·651	—·011	..	3·8	51·3	..	75·2	+1·8	101	45·0	—2·1	13	..	..	2·8	6·14	—3·61	19	—5·2	1·43
Chaman (4,311)	25·633	—·037	..	3·9	61·3	48·6	..	..	..	55·6	+1·1	23	41	—3	2·1	7·48	+0·26	21	+1·6	1·34
Kalat (6,495)	23·698	—·037	..	5·4	46·2	41·5	71·3	—1·6	96	39·1	+1·9	7	70	+15	1·8	6·83	+0·19	16	—2·1	1·10
Dalbandin (2,772)	27·035	—·049	..	2·5	60·0	48·9	85·9	—1·7	112	54·0	—0·6	19	44	—1	1·3	2·99	—0·73	10	+0·8	0·82
Las Bela (210)	29·535	..	..	2·5	75·3	67·4	94·7	..	119	63·2	..	36	65	..	3·0	13·26	..	15	..	2·89
Sind.																				
Jacobabad (186)	29·562	—·027	..	2·5	74·6	63·2	95·4	—0·3	123	66·2	+0·5	35	51	—7	0·9	5·25	+1·57	7	—0·5	2·31
Sukkur (221)	..	..	..	3·3	72·3	63·4	93·8	..	119	66·9	..	37	59	..	0·9	5·41	..	11	..	1·72
Chhor (19)	29·765	..	..	6·2	74·8	65·7	96·6	..	124	63·6	..	33	59	..	2·4	6·57	..	14	..	1·80
Hyderabad (96)	29·706	+·011	..	6·9	77·1	66·5	94·4	+1·1	121	68·6	+0·4	42	55	—5	3·5	4·83	—2·79	8	—1·6	1·70
Karachi (13)	29·800	—·007	..	9·1	75·6	70·5	84·7	+0·5	104	72·1	+0·7	47	76	+2	3·7	12·78	+5·22	18	+5·7	5·70
Badin (36)	29·757	..	..	6·6	75·2	68·0	93·5	..	119	67·8	..	39	68	..	2·9	8·26	..	11	..	2·45

N.B.—Elevations in *italics* indicate barometrical determinations.

ANNUAL TABLE D-3 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
					Mean 8 hrs.		Maximum.			Minimum.										
	At 8 hrs. reduced to 32° F. and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest during year.	Mean.	Departure from normal.	Lowest during year.	Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall during year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Rajputana, West																				
Bikaner (762)	29·032	+·025	..	4·9	73·2	59·7	93·1	+1·0	117	68·5	−0·4	39	42	—11	1·5	8·37	—3·42	15	—4·5	1·98
Jodhpur (780)	29·013	—·005	..	4·7	75·1	62·6	93·9	+1·5	120	68·7	+0·9	43	47	—1	3·1	17·96	+4·34	19	+0·1	6·46
Barmer (631)	29·134	..	..	5·0	75·0	67·1	93·0	..	120	68·2	..	40	64	..	2·5	13·41	..	14	..	3·68
Rajputana, East.																				
Jaipur (1,431)	28·884	+·012	..	2·4	76·8	63·2	92·1	+1·4	118	65·3	—0·4	37	47	—7	1·8	22·58	—1·63	27	—8·7	7·05
Ajmer (1,611)	28·200	0	..	4·0	73·9	61·3	89·5	+1·0	113	64·9	—0·3	37	47	—15	2·8	14·70	—5·95	23	—7·0	2·94
Kotah (843)	28·961	0	..	2·8	78·0	65·1	93·3	+1·2	118	69·5	—0·5	44	48	—2	3·0	24·94	—3·29	29	—6·8	3·21
Jhalrapatan (1,053)	28·752	..	..	3·0	74·2	64·3	91·8	..	116	65·4	..	39	57	..	2·4	21·60	..	34	..	2·14
Gujarat.																				
Deesa (466)	29·342	—·010	..	4·3	78·0	65·5	96·1	+1·9	121	66·7	—0·2	39	48	—9	3·1	16·04	—8·66	27	—1·7	3·88
Bhuj (343)	29·459	—·014	..	5·0	76·2	66·8	92·1	+1·0	117	69·2	+0·8	43	59	—8	2·5	9·72	—4·67	17	+0·7	1·90
Dwarka (37)	29·792	—·010	..	10·7	78·4	71·7	85·7	+1·3	106	74·2	+1·3	54	70	—7	4·0	18·66	+5·14	14	—2·6	4·47
Rajkot (434)	29·380	—·011	..	7·4	75·3	66·6	94·2	+1·3	117	67·9	+1·8	44	60	—5	4·2	19·38	—6·91	23	—8·2	3·55
Veraval (19)	29·820	+·005	..	6·8	78·2	70·7	86·5	+1·7	101	72·3	+1·0	55	67	—4	3·8	23·62	+4·82	27	+1·7	2·93
Surat (39)	29·795	—·004	..	4·0	77·3	70·6	93·2	+1·7	109	71·5	+1·6	53	70	0	4·5	42·93	+1·96	54	+7·3	4·40
Bhavnagar (55)	29·782	—·001	..	3·9	76·8	67·4	93·5	—0·1	113	69·5	+0·3	45	58	—6	3·7	20·50	—0·70	34	+4·3	2·50
Ahmedabad (163)	29·667	—·002	..	4·1	78·3	67·9	94·1	—0·5	114	71·3	+0·7	50	56	—3	3·3	13·37	—15·46	37	+2·0	4·80
Dohad (1,009)	28·824	..	..	4·6	73·1	66·2	91·7	..	113	66·5	..	43	68	..	3·7	30·46	..	42	..	2·04
Central India, West.																				
Neemuch (1,626)	28·192	—·002	..	5·0	75·1	..	89·8	+1·0	112	64·7	+0·2	40	..	..	2·7	20·59	—8·60	27	—9·2	3·14
Indore (1,823)	27·997	—·003	..	3·9	73·5	63·3	88·1	—0·1	110	63·9	0	39	56	—6	2·8	42·90	+9·78	48	+2·2	5·01
Bhopal (1,643)	28·178	..	..	3·7	74·9	64·1	89·5	..	112	66·2	..	42	55	..	3·2	60·28	..	51	..	6·82
Guna (1,571)	28·226	..	..	..	72·3	62·9	90·0	..	115	63·2	..	38	59	..	2·3	44·40	..	40	..	6·90
Central India, East.																				
Nowgong (750)	29·035	—·001	..	2·4	73·4	64·7	92·3	+3·0	116	64·1	—1·5	37	64	—1	3·6	35·84	—6·90	38	—10·0	4·56
Satna (1,041)	28·731	—·005	..	3·5	74·3	63·7	91·5	+3·5	114	64·9	—1·6	40	55	—7	3·4	30·84	—13·93	49	—5·9	3·49
Umaria (1,500)	28·290	..	..	..	73·7	64·2	88·8	..	113	64·2	..	38	61	..	3·1	52·26	..	58	..	4·29
Berar.																				
Akola (925)	28·889	—·002	..	4·7	75·4	65·5	93·0	—0·2	111	..	..	..	58	+2	2·5	28·25	—3·10	42	—3·4	2·90
Amraoti (1,213)	28·591	—·005	..	6·2	76·4	..	91·9	—0·2	113	70·4	+1·2	51	..	..	4·2	33·03	—0·02	43	—4·6	3·05
Central Provinces, West.																				
Khandwa (1,044)	28·769	—·002	..	5·0	74·9	65·0	92·9	+0·8	113	66·6	—0·5	43	57	—1	2·5	36·26	+6·63	45	+3·6	5·42
Hoshangabad (992)	28·825	+·003	..	2·7	74·8	..	90·6	+0·3	113	68·0	+2·5	46	..	..	3·3	55·94	+7·11	54	—1·3	4·16
Saugor (1,808)	27·990	—·001	..	4·0	75·0	62·6	88·2	+0·3	111	67·1	+0·6	44	50	—5	3·0	56·03	+11·08	52	—3·9	5·75
Jubbulpore (1,327)	28·472	+·011	..	2·3	72·3	64·5	89·5	+1·2	112	64·7	+0·1	40	63	—3	3·6	53·84	—1·27	52	—11·7	4·28
Seoni (2,033)	27·779	0	..	3·3	75·2	64·3	87·8	+0·2	110	65·2	+0·6	45	55	—6	3·2	53·87	+0·65	64	—6·2	4·28
Nagpur (1,017)	28·783	—·001	..	3·7	75·4	64·9	92·5	+0·5	114	68·7	—0·1	47	56	—3	4·4	46·54	—2·43	60	—2·8	4·21
Central Provinces, East.																				
Pendra (2,040)	27·756	—·006	..	3·4	73·3	64·2	85·6	+1·9	108	65·3	+1·3	45	61	0	3·7	64·18	+14·12	69	—3·5	4·30
Raipur (970)	28·814	—·006	..	3·5	76·5	67·1	91·4	+1·2	116	69·6	+0·5	48	61	—3	3·1	46·30	—4·53	60	—3·3	4·55
Kanker (1,300)	28·484	..	..	4·2	73·7	67·1	89·1	..	110	66·4	..	42	71	..	4·6	50·35	..	73	..	3·26
Chanda (634)	29·170	+·006	..	3·9	77·0	69·4	92·1	—0·7	113	69·0	+0·4	45	69	+4	2·5	52·98	+1·08	64	+1·5	5·78
Jagdalpur (1,813)	27·981	—·017	..	2·5	72·5	67·2	88·1	+0·5	110	65·6	—0·2	45	77	+1	3·8	62·96	—0·84	100	+17·6	2·69

ANNUAL TABLE D-3 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
	At 8 hours reduced to 32° F. and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.			Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall during year.
					Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest during year.	Mean.	Departure from normal.	Lowest during year.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Konkan.																				
Bombay (37)	29·802	—·008	..	6·5	78·9	74·0	88·4	+1·8	96	75·2	+1·6	64	78	0	4·3	73·96	+3·03	77	+4·5	6·85
Ratnagiri (207)	29·637	—·002	..	6·0	80·4	72·3	86·6	—0·6	95	73·7	+0·5	63	67	—5	2·2	111·56	+11·58	101	+8·3	7·80
Marmagao (202)	29·661	..	..	7·8	78·3	73·3	85·3	..	93	74·7	..	65	77		5·7	101·88	..	99	..	4·96
Karwar (44)	29·811	—·003	..	2·4	75·2	72·4	86·2	+0·1	95	72·1	—0·6	58	87	+3	4·8	121·79	+1·67	116	+11·8	5·95
Bombay-Deccan.																				
Malegaon (1,430)	28·403	+·005	..	3·7	74·9	64·3	92·1	—0·1	110	64·6	—0·7	42	55	—2	5·4	21·70	—0·53	42	+7·5	2·66
Ahmadnagar (2,154)	27·693	—·006	..	4·4	73·7	63·7	89·1	—0·5	106	65·4	+1·4	47	57	—3	3·8	30·05	+7·72	53	+16·9	2·63
Poona (1,834)	28·014	—·001	..	4·6	72·4	65·3	88·9	—0·5	105	64·4	—0·3	45	67	0	4·5	33·60	+6·49	61	+13·6	2·43
Sholapur (1,570)	28·266	+·002	..	4·5	76·0	66·4	91·5	+0·1	108	68·1	—0·2	49	59	+4	3·1	31·95	+3·50	51	+9·7	2·70
Miraj (1,824)	28·041	..	..	5·9	73·2	66·0	88·3	..	103	65·0	..	49	68	..	4·0	41·80	..	61	..	5·94
Bijapur (1,950)	27·895	0	..	4·4	74·7	66·1	89·3	—1·3	105	68·2	+0·4	49	63	—2	3·7	28·38	+7·48	44	+7·9	2·80
Belgaum (2,562)	27·306	+·001	..	3·2	70·0	64·6	84·8	+0·2	100	64·3	+0·2	49	74	+3	4·4	74·91	+24·78	90	+9·1	2·49
Gadag (2,131)	27·726	..	..	5·1	73·8	67·6	88·7	..	103	68·0	..	54	72	..	3·6	31·25	..	51	..	2·86
Hyderabad, North.																				
Aurangabad (1,905)	27·948	—·003	..	7·1	74·2	64·1	89·7	—0·9	108	66·9	+0·8	50	57	+2	5·1	31·08	+3·55	50	+6·4	3·12
Nizamabad (1,248)	28·576	+·003	..	1·8	76·0	67·7	92·4	+0·4	110	69·3	+0·7	48	65	+1	3·3	47·81	+7·73	64	+8·3	3·01
Hyderabad, South.																				
Gulbarga (1,503)	28·337	+·008	..	7·2	76·7	67·0	91·6	—1·2	108	69·2	+0·1	50	60	—3	3·8	27·98	—3·10	48	—0·3	2·60
Raichur (*1,311*)	28·539	+·019	..	7·2	78·1	69·9	92·3	—0·1	109	81·9	—0·1	54	66	+2	3·1	27·59	—0·41	45	+0·3	3·25
Hyderabad (1,709)	28·123	+·013	..	3·9	76·0	67·9	90·5	+0·1	108	68·3	—1·3	51	66	—3	4·6	27·05	—5·22	52	+1·9	2·01
Hanamkonda (877)	28·944	+·006	..	4·3	76·8	69·8	91·7	+0·5	111	71·7	+0·	53	70	+9	4·6	33·19	—1·23	55	+4·5	2·13
Mysore.																				
Chitaldrug (2,405)	27·468	+·010	..	5·3	73·8	67·5	87·6	+0·6	102	68·1	+0·6	55	72	+2	5·2	37·90	+13·00	62	+14·9	3·80
Bangalore (3,021)	26·875	—·003	..	5·3	70·9	66·1	85·0	+0·4	99	65·1	+0·8	52	77	—1	6·0	42·93	+7·56	64	+5·1	2·40
Mysore (2,518)	27·362	—·008	..	4·4	71·3	67·1	85·6	—0·7	99	66·4	+0·5	53	80	+4	5·1	31·53	+0·13	65	+10·2	2·25
Malabar.																				
Mangalore (72)	29·787	—·003	..	4·9	78·8	74·2	86·6	—1·1	95	74·1	—0·2	64	80	+2	5·7	121·36	—4·32	131	+17·5	6·07
Calicut (27)	29·841	+·006	..	4·3	78·3	74·2	85·1	—1·3	98	74·1	—0·4	64	82	—2	5·9	159·32	+42·16	145	+31·1	10·57
Cochin (9)	29·861	+·003	..	4·9	79·9	75·0	85·5	—2·3	92	75·4	+0·4	67	79	—1	5·7	135·61	+21·05	146	+16·5	6·29
Trivandrum (200)	29·643	—·014	..	4·6	78·3	74·8	84·9	+0·6	90	75·4	+0·3	66	84	+2	5·4	93·08	+28·57	122	+27·2	5·22
Madras, South, East.																				
Pamban (37)	29·815	+·012	..	9·6	82·1	76·9	87·1	—0·6	94	77·5	0	71	78	—2	4·5	38·15	+1·15	38	—8·5	5·26
Madura (463)	29·374	—·007	..	4·6	79·2	72·0	92·6	—1·1	103	75·3	+1·1	62	69	—2	6·1	33·23	—0·35	49	—0·1	3·30
Negapatam (31)	29·815	+·008	..	7·1	80·9	74·8	89·0	—1·2	104	76·9	+0·7	66	75	—1	6·7	75·65	+20·67	61	+5·2	12·18
Trichinopoly (255)	29·591	—·003	..	4·6	80·6	73·7	92·4	—1·9	105	75·0	+0·7	61	71	—1	4·8	44·74	+11·56	52	+5·1	6·00
Coimbatore (1,341)	28·508	—·004	..	4·1	76·1	70·7	87·0	—2·9	99	70·3	+0·6	57	76	—5	6·4	26·04	+3·75	50	+5·6	1·90
Salem (913)	28·926	—·006	..	4·7	76·9	71·9	91·4	—1·6	105	71·8	+0·6	57	78	+1	5·0	48·97	+9·67	76	+12·6	2·76
Cuddalore (42)	29·808	+·009	..	5·5	80·8	75·5	89·7	—0·8	105	75·5	+0·7	64	78	—2	5·9	52·47	—0·47	54	—2·4	5·45
Vellore (702)	29·123	—·014	..	3·7	77·3	71·8	..	..	..	72·2	—0·2	55	77	0	5·1	29·03	—13·38	51	—5·2	1·99
Madras (22)	29·811	—·003	..	7·5	80·7	75·0	89·8	—1·1	107	75·1	+0·6	63	76	—1	5·5	46·59	—4·15	51	—6·3	7·24

N. B.—Elevations in *italics* indicate barometrical determinations.

ANNUAL TABLE D-3 FOR 1932—*concld.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Pressure.		Wind.		Temperature.								Humidity.		Cloud	Rainfall.				
	At 8 hours reduced to 32° F and standard gravity.	Departure from normal.	Mean direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.			Minimum.			Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall during year.
					Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest during year.	Mean.	Departure from normal.	Lowest during year.								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Madras-Deccan.																				
Cuddapah (428)	29·414	+·007	..	6·0	81·5	73·7	93·2	—1·4	110	74·8	+0·3	56	68	+1	4·5	19·42	—11·81	40	—6·1	1·78
Bellary (1,473)	28·367	+·003	..	4·6	77·2	68·7	90·9	—2·4	106	71·3	+0·4	55	64	+3	4·1	25·59	+5·08	41	+5·7	3·53
Kurnool (923)	28·913	+·007	..	5·8	78·3	69·3	93·1	—0·7	109	71·[illegible]	+0·4	51	63	—5	4·4	22·04	—3·97	50	+3·3	1·76
Madras Coast, North.																				
Nellore (66)	29·763	+·004	..	4·5	80·7	74·5	92·3	—1·4	109	75·6	+0·1	63	74	—2	4·8	29·02	—8·96	36	—8·0	3·15
Masulipatam (10)	29·813	—·006	..	5·7	79·9	75·4	88·3	—2·2	113	74·2	—0·3	61	81	0	3·7	38·11	—3·48	68	+13·5	2·98
Cocanada (26)	29·796	—·001	..	6·0	79·6	74·2	89·3	0	111	74·3	—0·7	59	77	—1	5·3	37·26	—1·83	63	+9·1	2·66
Vizagapatam (126)	29·679	—·003	..	4·9	79·0	74·1	86·2	—0·8	102	75·1	—0·3	60	79	+6	5·1	34·84	—2·25	44	—6·9	5·88
Calingapatam (19)	29·787	+·002	..	7·4	78·9	74·9	88·1	—0·4	105	73·9	+0·1	56	82	+1	4·4	36·08	—6·39	49	—2·6	3·62
Gopalpur (56)	29·742	+·002	..	8·8	78·3	74·0	86·6	+0·5	100	73·5	+0·2	55	81	0	4·4	37·93	—7·03	49	—7·2	5·93
Hill Stations, excluding Kashmir and Baluchistan.																				
Maymyo (3,546)	26·387	+·016	..	2·7	65·7	62·0	78·3	+1·6	93	57·9	+1·5	34	82	—4	4·0	55·88	—2·74	85	—5·8	3·85
Haka (6,100)	24·073	..	..	..	56·9	52·7	68·7	..	86	53·3	..	34	76	..	3·6	95·68	..	126	..	3·10
Kanpetlet (6,274)	23·901	..	..	..	61·9	55·4	68·0	..	82	54·3	..	38	67	..	4·6	99·26	..	134	..	2·91
Shillong (4,920)	25·077	+·005	..	2·4	62·6	57·2	70·2	+0·3	85	54·4	+1·0	31	71	—3	5·0	86·65	+2·73	124	+0·4	10·35
Cherrapunji (4,309)	25·640	+·009	..	6·0	63·6	59·4	68·9	+0·2	81	58·0	+0·9	40	77	—4	5·9	486·64	+62·57	165	+5·8	31·42
Darjiling (7,432)	22·896	—·009	..	3·4	54·4	50·5	59·1	—0·2	74	48·7	+1·0	30	77	—8	5·8	91·58	—31·09	122	—1·2	3·93
Kalimpong (3,933)	25·934	—·002	..	6·3	62·7	59·4	70·1	+0·6	83	58·4	+0·8	39	82	—2	4·7	77·33	—4·49	95	—5·2	3·69
Mukteswar (7,592)	22·797	+·005	..	6·3	54·6	4[illegible]·6	63·2	—0·4	82	50·6	+2·7	24	54	—7	3·5	44·97	—7·31	74	—7·3	5·87
Mussoorie (6,940)	23·334	+·036	..	4·5	56·3	48·9	64·3	+0·4	88	51·7	+1·0	27	58	—7	4·0	94·09	..	83	..	5·22
Simla (7,224)	23·065	+·007	..	2·0	57·0	47·0	63·5	+1·1	87	50·8	+1·6	23	46	—6	3·6	62·18	—1·[illegible]9	77	—10·2	5·20
Murree (7,115)	24·196	..	..	3·5	55·6	45·7	63·4	—1·3	88	48·4	—2·0	20	47	—9	3·7	47·04	—12·[illegible]1	77	—0·1	3·04
Cherat (4,272)	25·665	+·018	..	8·5	62·9	53·4	73·8	+1·2	102	58·3	+1·8	30	51	—1	3·2	23·46	—4·05	32	—10·0	2·34
Parachinar (6,005)	24·418	+·027	..	4·3	59·2	48·2	71·5	+1·2	98	49·1	+1·2	19	46	—10	3·1	31·10	+1·58	62	—2·8	3·46
Drosh (4,500)	..	..	..	3·2	56·6	47·6	74·0	+1·3	107	52·9	+1·0	24	52	—6	2·8	16·00	—0·75	31	—9	2·60
Mount Abu (3,945)	25·978	0	..	4·7	69·3	57·2	77·1	+1·3	100	62·3	+0·3	38	48	—6	3·9	63·36	+2·60	50	—3·7	7·64
Pachmarhi (3,528)	26·392	+·015	..	3·1	71·0	60·7	80·6	+0·7	101	59·6	—1·4	34	56	—6	4·9	96·95	+20·43	69	—8·5	13·79
Mahableshwar (4,534)	25·495	..	..	..	66·7	59·3	75·1	..	91	61·5	..	49	66	..	4·7	239·65	..	124	..	11·12
Mercara (3,781)	26·159	—·003	..	6·7	65·7	63·1	75·2	—1·1	87	61·5	+0·4	50	87	+2	5·8	138·27	+12·81	156	+23·6	5·62
Kodaikanal (7,688)	22·773	+·006	..	7·2	56·3	51·2	63·5	—1·4	72	50·3	+0·8	38	72	+4	5·4	69·13	+6·95	118	+11·4	3·53
Coonoor (5,730)	24·269	..	..	3·2	63·8	57·8	69·9	..	79	54·3	..	38	70	..	5·4	57·56	..	92	..	4·12
Ceylon.																				
Colombo (24)	29·843	+·004	..	5·1	77·7	74·9	85·9	—1·2	94	74·7	—0·5	65	87	+2	6·3	123·83	+39·67	135	+24·0	8·09
Trincomalee (99)	29·725	+·017	..	7·3	78·6	74·4	86·8	—2·5	96	76·1	—0·1	68	81	—2	5·2	59·99	—1·6[illegible]	79	+6·7	4·55
Hambantota (61)	29·772	—·011	..	12·5	78·5	74·7	85·8	—0·7	95	74·8	—0·1	65	83	—7	4·2	43·29	+2·48	81	+10·4	2·65
Nuwara Eliya (6,170)	24·054	..	..	..	56·1	54·5	67·7	..	75	50·2	..	29	91	..	5·5	70·29	..	151	..	2·20
Arabia.																				
Aden (98)	29·7[illegible]8	+·011	..	8·8	80·6	74·7	90·3	+2·5	102	..	..	..	75	0	4·3	0·80	—1·14	1	—2·6	0·80

N. B.—Elevations in *italics* indicate barometrical determinations.

MONTHLY AND ANNUAL TABLE D-3 FOR 1932.

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Month.	Pressure. At 8 hrs. reduced to 32° F. and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 hrs.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 hrs. Dry bulb.	Temperature. Mean 8 hrs. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Maximum. Date.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Temperature. Minimum. Date.	Humidity. Mean 8 hrs.	Humidity. Departure from normal.	Cloud. Mean amount 8 hrs.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.	Rainfall. Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Table Island (Bay Islands) (106)	January	29·879	+·039	N 16° E	10·0	79·1	70·7	83·3	+0·3	84	11 days	74·7	—0·4	66	4th	64	—9	4·0	0	—0·77	0	—0·7	0	..
	February	·800	—·013	N 13° W	7·7	79·3	70·8	..	..	..	..	72·8	—2·0	70	4 days	64	—10	3·6	0·01	—0·11	0	—0·3	0·01	21st
	March	·766	—·021	N 5° W	5·7	81·7	75·5	..	..	..	..	74·6	—1·7	72	10th	74	—3	4·5	0	—0·17	0	—0·3	0	..
	April	·723	—·017	N 58° W	7·0	84·8	78·3	..	..	..	..	78·8	—0·4	70	15th	74	0	4·6	2·98	+2·35	3	+1·9	2·42	15th
	May	·648	—·011	S 67° W	8·5	85·1	78·7	..	..	..	..	79·6	+0·1	72	28th	75	—6	5·8	13·55	+4·80	12	+1·3	3·44	27th
	June	·584	—·018	S 41° W	17·6	82·1	78·6	85·2	—0·1	87	27th	78·0	+0·2	72	16th	85	—3	7·4	12·54	—2·56	13	—3·8	2·27	16th
	July	·560	—·041	S 38° W	19·6	81·5	79·0	84·3	0	87	5th	76·8	—0·5	73	17th & 25th	89	—1	8·5	17·00	+3·49	19	+1·4	3·30	12th
	August	·659	+·031	S 31° W	11·4	82·3	79·2	86·0	+2·0	91	28th	78·6	+1·4	74	8th	86	—3	6·3	4·79	—6·68	8	—8·2	1·29	8th
	September	·630	—·040	S 34° W	14·5	79·9	77·6	83·6	—0·7	86	4 days	75·4	—1·7	71	13th	90	+2	8·6	29·31	+17·97	21	+5·4	3·58	1st
	October	·699	—·038	S 27° E	5·2	81·9	78·2	85·8	+0·6	88	27th	78·4	+0·6	76	21st	84	0	7·5	4·32	—2·17	7	—3·2	2·74	20th
	November	·739	—·036	N 73° E	6·9	81·3	77·0	84·8	—0·1	87	7th	77·3	—0·5	73	10th	82	+2	7·4	7·37	+1·72	10	+3·2	3·28	10th
	December	·800	—·015	N 34° E	8·0	79·5	72·7	83·2	+0·1	85	3rd, 4th & 28th	75·6	—0·7	72	30th	71	—3	4·7	0·96	—1·41	2	—0·3	0·81	22nd
	Year	·707	—·015	..	10·2	81·5	76·4	..	..	..	..	76·7	—0·5	66	..	78	—3	6·1	92·83	+16·46	95	—3·6	3·58	..
Car Nicobar (Bay Islands) (19).	January	29·917	..	N 65° E	9·5	..	..	..	..	..	..	..	..	..	..	..	..	5·3	1·56	..	2	..	1·00	28th
	February	·895	..	N 55° E	6·6	..	..	..	..	..	..	..	..	..	..	..	..	5·8	2·47	..	5	..	1·50	26th
	March	·877	..	N 52° E	5·3	..	..	..	..	..	..	..	..	..	..	..	..	4·5	0·79	..	4	..	0·43	25th
	April	·857	..	N 27° E	2·7	..	..	..	..	..	..	..	..	..	..	..	..	5·5	2·07	..	6	..	0·56	8th
	May	·760	..	S 2° W	1·7	..	..	..	..	..	..	..	..	..	..	..	..	5·9	12·63	..	19	..	2·10	24th
	June	·737	..	S 48° W	2·2	..	..	..	..	..	..	..	..	..	..	..	..	6·6	8·24	..	12	..	2·10	3rd
	July	·744	..	S 36° W	1·5	..	..	..	..	..	..	..	..	..	..	..	..	6·7	12·55	..	12	..	4.22	7th
	August	·788	..	S 29° W	1·5	..	..	..	..	..	..	..	..	..	..	..	..	5·3	4·08	..	9	..	1·25	20th
	September	·830	..	S 55° W	1·8	..	..	..	..	..	..	..	..	..	..	..	..	6·3	18·80	..	16	..	3·68	25th
	October	·869	..	N 27° W	1·3	..	..	..	..	..	..	..	..	..	..	..	..	5·1	14·91	..	17	..	2·58	20th
	November	·950	..	E	1·9	..	..	..	..	..	..	..	..	..	..	..	..	5·7	22·89	..	18	..	5·90	21st
	December	·978	..	N 68° E	9·7	..	..	..	..	..	..	..	..	..	..	..	..	4·6	1·79	..	5	..	0·48	2nd
	Year	·850	..	..	3·8	..	..	..	..	..	..	..	..	..	..	..	..	5·6	102·78	..	125	..	5·90	..

MONTHLY AND ANNUAL TABLE D-3 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barcistern above sea-level in feet.	Month.	Pressure. At 8 hrs. reduced to 32° F. and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 hrs.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 hrs. Dry bulb.	Temperature. Mean 8 hrs. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Maximum. Date.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Temperature. Minimum. Date.	Humidity. Mean 8 hrs.	Humidity. Departure from normal.	Cloud. Mean amount 8 hrs.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.	Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Pusa (Bihar) (188.)	January.	29·903	+·058	S 17° E	1·4	53·8	51·5	77·2	+3·2	80	7th	50·2	+1·3	46	1st and 18th	83	—6	0·4	0	—0·35	0	—1·0	0	..
	February	·772	+·007	S 68° E	2·2	56·5	53·0	79·4	+0·5	86	29th	51·7	—0·5	45	17th	78	—3	2·8	0·26	—0·42	1	—0·5	0·21	15th
	March .	·700	+·032	S 36° W	3·4	72·4	62·3	94·1	+3·9	99	12th, and 30th	63·3	+2·8	56	1st	54	—7	0·6	0	—0·41	0	—1·1	0	..
	April .	·584	+·022	S 83° E	3·4	81·3	67·9	101·7	+3·6	108	8th	71·2	+0·9	64	3rd	47	—16	1·4	0·04	—0·54	0	—1·8	0·04	18th
	May .	·465	0	N 88° E	4·1	86·6	75·2	105·1	+5·2	112	16th	78·5	+2·3	73	7th	56	—11	3·3	0·16	—1·31	1	—1·8	0·15	24th
	June .	·321	—·020	N 76° E	3·9	84·7	79·7	97·5	+2·0	108	16th	80·6	+1·6	72	1st	79	—1	7·7	6·65	—1·01	7	—1·1	2·20	25th
	July .	·300	—·024	S 88° E	3·4	84·7	80·6	93·6	+2·7	100	19th	80·6	+1·1	77	1st	83	—5	5·8	5·00	—5·58	11	—2·9	1·90	2nd
	August .	·422	+·046	S 50° E	2·4	83·4	80·7	91·4	+1·5	98	31st	78·9	—0·3	77	17th, and 26th	89	0	8·0	7·09	—6·61	15	+0·7	1·27	16th
	September	·467	—·029	N 79° E	2·0	82·2	80·0	90·4	+0·3	99	1st	78·3	0	76	28th	91	+4	6·7	7·85	—0·54	11	+1·5	2·77	2nd
	October.	·669	+·002	S 45° E	1·3	76·9	73·6	91·0	+2·1	96	7th	70·8	—0·7	61	27th	84	—1	2·0	0·58	—1·22	1	—1·6	0·47	24th
	November	·774	—·018	N 63° W	1·2	65·7	63·1	82·1	—0·4	89	2nd	60·7	+1·5	52	26th	86	+1	3·0	2·52	+2·11	4	+3·5	0·83	4th
	December	·850	+·001	S 56° W	1·5	55·5	54·0	76·9	+1·4	80	7th	50·7	+0·1	42	29th	90	+1	1·1	0·30	+0·09	2	+1·5	0·15	25th, and 30th
	Year .	·602	+·006	..	2·5	73·6	68·5	90·0	+2·1	112	..	68·0	+0·9	42	..	77	—3	3·6	31·35	—15·79	53	—4·1	2·77	..
Hansi (Punjab) (711).	January.	29·349	..	N 31° E	1·3	52·6	48·7	78·5	..	86	31st	..	..	..	..	73	..	1·8	0	..	0	..	0	..
	February	·222	..	E	1·7	54·0	50·1	78·6	..	87	29th	..	..	..	..	74	..	1·4	0·03	..	0	..	0·03	11th
	March .	·181	..	N 53° W	1·6	67·3	60·9	(h) 89·2	..	96	10th	..	..	..	..	67	..	1·5	1·26	..	4	..	0·45	26th
	April .	·046	..	S 68° W	1·6	80·9	67·7	..	..	..	..	..	..	..	..	48	..	0·6	0·43	..	1	..	0·37	26th
	May .	28·914	..	N 3° W	2·2	89·2	71·2	..	..	..	..	76·2	..	70	19th	38	..	1·5	0·30	..	1	..	0·22	18th
	June .	·767	..	S 52° W	2·7	94·9	77·4	108·6	..	115	12th	85·5	..	74	30th	43	..	1·3	0·15	..	1	..	0·10	30th
	July .	·728	..	S 57° E	1·9	87·9	80·4	98·0	..	112	7th	81·0	..	75	31st	71	..	5·0	5·78	..	8	..	1·75	31st
	August .	·869	..	S 59° W	1·5	83·8	77·5	92·3	..	97	26th, and 31st	77·5	..	75	26th, 27th & 28th	73	..	4·2	1·29	..	5	..	0·34	9th
	September	·915	..	N 81° W	1·8	64·6	75·1	96·2	..	103	17th	73·6	..	67	23rd, and 29th	64	..	2·1	1·31	..	2	..	1·00	7th
	October.	(a) 29·115	..	S 29° E	0·6	76·2	63·2	91·9	..	102	1st	60·9	..	53	31st	45	..	0·6	0	..	0	..	0	..
	November	·256	..	S 54° W	0·5	58·8	(b) 49·1	(b) 84·4	..	88	9th	45·7	..	42	30th	45	..	0·2	0	..	0	..	0	..
	December	·203	..	N 57° W	0·8	47·7	43·4	72·3	..	81	1st	40·9	..	34	13th	66	..	0·9	0·38	..	2	..	0·21	24th
	Year .	29·055	..	..	1·5	73·1	63·7	..	..	115	..	..	..	34	..	59	..	1·8	10·93	..	24	..	1·75	..

(a) Mean of 30 days. (b) Mean of 29 days. (h) Mean of 23 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barometer cistern above sea-level in feet.	Month.	Pressure. At 8 hrs. reduced to 32° F. and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 hrs.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 hrs. Dry bulb.	Temperature. Mean 8 hrs. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Maximum. Date.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Temperature. Minimum. Date.	Humidity. Mean 8 hrs.	Humidity. Departure from normal.	Cloud. Mean amount 8 hrs.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.	Rainfall. Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Patiala (Punjab) (818).	January (b)	29·234	+·048	N 14° W	(d) 1·9	52·9	48·9	74·1	+6·0	81	31st	47·6	+3·6	41	1st	74	—6	2·0	0·54	—0·79	1	—1·6	0·54	10th
	February (d)	·096	—·028	N 32° W	(f) 1·4	54·6	48·7	75·8	+4·2	87	29th	47·7	—0·2	42	9th, 10th, 18th	63	—12	1·6	0·32	—0·89	2	—0·1	0·20	12th
	March (d)	·094	+·060	N 4° E	(i) 1·9	66·4	59·4	86·8	+4·5	99	24th	58·7	+2·1	50	1st	65	+2	2·5	3·30	+2·08	3	+0·6	1·76	26th
	April	28·974	+·048	N 35° E	(b) 1·7	76·9	63·2	97·1	+3·3	109	24th	67·3	+0·7	62	2nd	45	—4	0·9	0·22	—0·37	1	—0·5	0·22	26th
	May	·872	+·060	N 10° W	(d) 1·8	(b) 85·6	(c) 68·5	(b) 104·3	+2·2	114	31st	(b) 72·6	—3·4	66	3rd	39	—7	1·5	0	—0·69	0	—1·7	0	..
	June (b)	·657	—·036	N 50° E	(b) 2·1	92·7	76·7	108·0	+6·2	116	12th, 13th	82·5	+1·6	70	13th	47	—12	0·7	1·54	—0·98	2	—1·5	1·00	30th
	July (c)	(e) ·662	—·011	S 72° E	(f) 2·1	84·5	78·3	97·5	+2·3	107	6th	79·6	—0·3	72	29th	76	—1	6·9	5·15	—0·92	4	—4·1	2·40	31st
	August	·797	+·063	(a) N 58° E	(b) 1·8	(a) 83·5	(a) 78·3	(a) 93·8	+1·0	98	21st	(a) 76·6	—2·2	72	2nd	(a) 79	—2	(a) 3·5	3·56	—3·13	5	—3·2	1·87	12th
	September (c)	·854	—·010	S 89° E	(e) 1·9	81·7	76·1	93·6	+0·5	102	4th	74·8	+0·1	67	26th	77	+3	2·3	5·22	+0·68	7	+2·5	1·80	8th
	October (b)	29·053	+·026	N 79° E	(c) 2·0	76·2	68·2	93·0	+1·9	99	3rd	64·8	+1·8	57	28th	64	0	0·8	0	—0·72	0	—0·9	0	..
	November	·151	—·001	(c) N 8° W	1·7	61·2	53·9	84·0	+2·8	91	1st	50·0	—1·6	45	29th	58	—9	0	0	—0·15	0	—0·3	0	..
	December (a)	·209	+·008	N 26° W	(b) 2·1	54·6	48·9	72·7	+1·6	79	1st, 3rd	46·4	+2·1	40	16th	65	—13	1·6	1·65	+1·32	1	+0·1	1·65	24th
	Year	28·971	+·019	..	1·9	72·6	64·1	90·1	+3·1	116	..	64·1	+0·4	40	..	63	—5	2·0	21·50	—4·61	26	—10·9	2·40	..
Muzaffarabad (Kashmir) (2,343).	January	27·665	—·015	Calm	2·6	45·2	40·4	63·6	+2·3	71	30th	40·0	+2·3	33	1st, 5th, 6th	62	—7	2·6	2·36	—1·21	2	—4·3	1·78	10th
	February	·528	—·069	Calm	1·7	41·9	39·6	62·7	+0·4	73	27th	38·3	—2·5	32	14th	80	+11	2·3	3·64	—0·39	6	+0·1	1·33	14th
	March	·571	+·024	Calm	1·8	52·8	49·8	71·6	+3·3	84	20th	48·7	+2·0	42	16th	80	+12	2·7	7·68	+1·78	9	+0·5	2·16	10th
	April	·458	—·006	Calm	1·4	62·9	55·8	85·1	+5·3	95	15th	56·8	+1·0	49	5th	63	—2	1·2	1·38	—3·02	3	—4·9	0·71	4th
	May	·378	+·021	Calm	1·5	67·5	59·4	88·1	—1·6	106	31st	60·8	—3·0	52	7th	61	+7	1·4	3·37	+0·88	5	+0·4	1·27	5th
	June	·194	—·010	Calm	(c) 0·9	78·1	64·8	100·6	+2·6	109	17th	69·6	—2·3	62	22nd, 23rd	46	—2	1·5	1·79	—0·83	4	—1·3	0·61	21st
	July	·127	—·034	Calm	1·7	79·5	73·9	95·8	+0·4	109	7th	76·0	+2·6	71	22nd	76	+9	5·9	11·40	+1·21	16	+4·1	1·88	27th
	August	·235	+·025	Calm	1·6	74·5	71·5	91·5	+0·4	96	21st	71·2	—0·8	61	26th	86	+7	3·5	5·46	—4·43	11	—1·2	0·91	8th
	September	·321	—·047	Calm	1·4	73·7	68·6	94·1	+4·5	99	15th, 16th	69·8	+4·2	61	26th	77	+5	1·1	0·64	—3·78	2	—4·6	0·42	24th
	October	·512	—·022	(a) Calm	1·8	60·4	54·5	85·6	+1·2	95	1st	56·7	+1·2	63	1st, 2nd	72	+9	1·4	0·41	—1·21	2	—0·7	0·29	17th
	November	·571	—·055	Calm	1·1	48·2	42·9	78·5	+3·7	84	2nd	45·4	+0·5	39	28th	61	—5	0·6	0	—0·65	0	—1·4	0	..
	December	·611	—·044	Calm	1·1	41·3	38·0	64·4	+1·7	78	5th	34·5	—4·3	29	10th	71	—6	2·9	0·88	—1·99	3	—1·6	0·46	22nd
	Year	27·431	—·017	..	1·5	60·5	54·9	81·8	+2·0	109	..	55·7	0	29	..	70	+2	2·3	39·01	—13·17	63	—15·0	2·16	..

(a) Mean of 30 days. (b) Mean of 29 days. (c) Mean of 28 days. (d) Mean of 27 days. (e) Mean of 26 days. (f) Mean of 25 days. (i) Mean of 22 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of barometer cistern above sea-level in feet.	Month.	Pressure. At 8 hrs. reduced to 32° F. and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 hrs.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 hrs. Dry bulb.	Temperature. Mean 8 hrs. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Maximum. Date.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Temperature. Minimum. Date.	Humidity. Mean 8 hrs.	Humidity. Departure from normal.	Cloud. Mean amount 8 hrs.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.	Rainfall. Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Sibi (Baluchistan) (441)	January	29·622	..	S 84° W	0·8	50·1	42·7	75·9	..	83	25th	44·9	..	35	1st	49	..	3·6	0·05	..	0	..	0·03	10th
	February	·486	..	N 37° W	1·8	56·6	44·5	79·3	..	86	27th and 28th	48·6	..	39	3rd and 15th	30	..	1·8	0·08	..	0	..	0·08	29th
	March	·448	..	S 77° W	2·2	69·7	55·4	86·5	..	100	21st	61·1	..	47	12th	33	..	4·4	0·45	..	1	..	0·30	27th
	April	·291	..	N 45° E	2·3	85·1	61·0	100·5	..	108	14th	70·9	..	56	1st	18	..	2·1	0·20	..	1	..	0·12	24th
	May	·177	..	S 18° E	3·3	94·0	65·1	108·3	..	121	24th	79·3	..	65	10th	14	..	2·3	0	..	0	..	0	..
	June	·011	..	S 1° W	3·2	94·3	74·0	112·8	..	121	10th	87·0	..	79	14th	35	..	1·1	0·05	..	0	..	0·05	3rd
	July	28·966	..	S 41° E	4·7	91·3	79·6	106·0		114	7th	85·7	..	75	25th	59	..	3·9	4·13	..	4	..	3·05	25th
	August	29·092	..	S 28° E	4·7	88·9	78·3	102·6	..	107	5th	84·7	..	78	9th and 10th	61	..	2·7	0·24	..	1	..	0·18	10th
	September	·161	..	S 67° E	2·9	88·2	71·9	106·3	..	114	5th	78·2	..	69	30th	42	..	0	0	..	0	..	0	..
	October	·399	..	N 3° E	(a) 2·2	75·9	55·8	98·0	..	106	2nd	63·2	..	50	31st	20	..	1·0	0	..	0	..	0	..
	November	·532	..	N 51° E	1·0	61·6	48·9	87·5	..	93	2nd	50·2	..	45	29th	34	..	0·9	0	..	0	..	0	..
	December	·607	..	(a) N 5° E	3·1	54·3	44·3	76·6	..	86	4th	45·4	..	63	21st and 22nd	37	..	3·0	0	..	0	..	0	..
	Year	29·316	..	..	2·7	75·8	60·1	95·0	..	121	..	66·7	..	35	..	36	..	2·2	5·20	..	7	..	3·05	..
Jamnagar (Gujarat) (61)	January	30·021	+·038	N 20° W	(a) 5·6	64·5	58·2	82·7	+3·3	90	28th	..	..	..	..	65	+2	0·8	0	—0·05	0	—0·2	0	..
	February	29·917	—·027	S 33° W	6·7	66·5	60·5	83·0	+0·5	89	26th	..	..	..	..	69	+5	1·1	0	—0·10	0	—0·2	0	..
	March	·865	+·002	W	6·7	75·7	67·4	90·9	+0·9	98	8th	..	..	..	..	62	—6	1·7	0	—0·15	0	—0·2	0	..
	April	·758	—·019	N 53° W	7·8	81·9	..	94·9	—0·1	107	13th	..	..	..	..	..	..	2·4	0	—0·04	0	0	0	..
	May	·620	—·059	N 42° W	(b) 10·2	86·9	..	99·5	+1·8	111	22nd	77·1	+0·4	72	11th	..	..	1·2	0	—0·09	0	—0·2	0	..
	June	·530	—·002	S 74° W	7·8	87·9	..	96·0	0	101	12th	80·6	+0·6	75	26th	..	..	4·4	0·90	—1·01	3	0	0·54	28th
	July	·411	—·093	S 42° W	7·3	83·1	78·8	89·3	—1·9	95	4 days	77·7	—0·9	75	26th	81	+4	6·3	12·46	+3·97	15	+7·3	2·36	26th
	August	·601	+·026	S 37° W	7·8	81·9	76·6	87·9	—0·1	93	31st	75·6	—1·1	73	29th and 30th	77	—4	6·1	0·67	—4·98	3	—3·6	0·26	11th
	September	·616	—·088	N 83° W	6·4	83·0	79·4	90·2	+0·8	95	1st	75·6	+1·4	70	21st	85	+7	4·9	1·39	—0·78	1	—1·5	1·37	26th
	October	·806	—·020	(a) N 37° W	5·1	83·4	77·2	94·8	+1·1	100	13th	71·6	+1·0	67	27th	75	+7	3·8	0·85	+0·39	1	+0·5	0·75	21st
	November	·857	—·062	S 77° E	5·5	74·0	71·0	88·4	—1·1	94	2nd	58·2	—4·4	50	16th	86	+27	1·8	0	—0·01	0	0	0	..
	December	·921	—·055	S 58° E	6·3	66·4	58·5	82·8	+1·2	89	4th	54·5	—0·4	43	30th	59	+3	2·5	0	—0·04	0	—0·1	0	..
	Year	29·744	—·030	..	6·9	77·9	..	90·0	+0·5	111	..	..	..	43	..	..	..	3·1	16·27	—3·79	23	+1·8	2·36	..

(a) Mean of 30 days.

(b) Mean of 29 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

Station, and height of barcistern above sea-level in feet.	Month.	Pressure. At 8 hrs. reduced to 32° F and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 hrs.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 hrs. Dry bulb.	Temperature. Mean 8 hrs. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Maximum. Date.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Temperature. Minimum. Date.	Humidity. Mean 8 hrs.	Humidity. Departure from normal.	Cloud. Mean amount 8 hrs.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.	Rainfall. Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Alibag (Konkan) (23).	January	30·007	..	N 82° E	4·6	70·9	63·8	85·3	..	91	24th	64·9	..	62	1st	66	..	1·1	0	..	0	..	0	..
	February	29·932	..	N 65° E	5·9	71·8	64·0	83·4	..	92	17th	65·2	..	61	4 days	63	..	1·7	0	..	0	..	0	..
	March	8·90	..	N 43° E	6·0	78·7	70·0	87·0	..	96	6th	70·8	..	67	2nd	63	..	0·6	0	..	0	..	0	..
	April	·849	..	N 23° E	7·1	82·7	75·4	87·4	..	92	30th	75·2	..	70	2nd	70	..	4·3	0	..	0	..	0	..
	May	·745	..	S 86° W	8·7	84·8	79·0	89·2	..	94	21st	79·7	..	74	2nd	76	..	4·7	0·27	..	1	..	0·23	22nd
	June	·703	..	S 8° W	10·9	82·3	78·0	88·0	..	94	1st	78·2	..	72	17th	83	..	7·6	16·85	..	16	..	4·83	17th
	July	·610	..	S 30° W	19·5	80·8	77·6	84·5	..	89	3rd and 4th	76·7	..	73	15th and 16th	86	..	9·3	28·70	..	24	..	5·88	6th
	August	·732	..	S 66° W	11·9	81·2	77·6	85·1	..	91	30th	77·4	..	75	7th and 12th	84	..	8·3	7·19	..	15	..	1·57	7th
	September	·746	..	S 58° E	9·0	81·1	77·3	86·0	..	90	30th	76·6	..	74	18th	84	..	4·1	10·70	..	13	..	6·02	5th
	October	·819	..	N 68° E	4·7	80·5	76·4	89·5	..	96	8th	75·9	..	72	8th and 20th	82	..	6·5	8·34	..	9	..	2·15	23rd
	November	·878	..	N 70° E	4·2	76·6	70·1	89·5	..	94	2nd	70·1	..	63	24th	71	..	2·5	0	..	0	..	0	..
	December	·956	..	N 67° E	4·7	72·5	65·0	86·5	..	93	4th	65·5	..	61	27th, 30th and 31st	65	..	0·8	0·09	..	0	..	0·06	1st
	Year	29·822	..	..	8·1	78·7	72·9	86·8	..	96	..	73·0	..	61	..	74	..	4·3	72·14	..	78	..	6·02	..
Hassan* (Mysore) (3,149).	January	26·607	—·039	N 86° E	4·9	64·0	58·0	81·5	—0·6	87	30th	55·2	—0·7	51	26th	70	—4	0·6	0	—0·03	0	—0·3	0	..
	February	·833	+·004	S 65° E	3·2	68·1	61·9	86·4	—0·1	89	16th	60·5	+2·0	53	1st	71	+1	2·7	0	—0·13	0	—0·4	0	..
	March	·828	+·021	S 66° E	3·6	73·3	65·0	91·9	+0·7	96	31st	64·4	+2·0	58	3rd	64	—2	2·3	0	—0·24	0	—0·6	0	..
	April	·782	+·022	S 33° W	5·0	75·6	68·5	93·8	+1·5	98	9th	68·5	+1·8	65	18th	70	—1	3·2	1·67	—0·67	5	+1·2	0·68	27th
	May	·698	—·028	N 78° W	5·7	74·4	69·5	87·7	—1·2	97	4th	68·9	+1·8	65	23rd	79	+3	6·7	6·82	+1·08	8	+0·8	1·91	19th
	June	·700	+·030	S 78° W	8·0	72·4	68·0	82·0	+1·5	87	1st	66·5	+0·4	63	11th	80	—4	7·3	0·98	—3·03	3	—7·1	0·32	24th
	July	·650	—·028	S 73° W	9·3	69·8	67·2	77·7	+0·1	86	1st	66·4	+1·1	65	28th	87	0	9·7	6·05	+0·78	19	+6·7	0·80	10th
	August	·698	—·005	N 53° W	5·2	71·1	67·5	82·1	+3·6	88	24th	66·9	+2·1	65	15th	86	0	8·8	6·73	+2·52	15	+6·4	0·97	28th
	September	·729	—·003	N 86° W	7·0	69·7	66·6	79·4	—1·3	85	28th	65·3	+0·8	62	24th	85	+1	8·0	4·06	+0·11	10	+1·5	1·33	29th
	October	·759	—·009	S 68° E	2·8	71·3	68·2	82·2	+0·5	86	5th	67·2	+2·9	64	22nd and 23rd	86	+4	8·4	11·47	+4·48	19	+9·6	1·30	25th
	November	·788	—·021	N 82° E	2·8	70·1	66·0	80·2	+0·2	85	16th	64·1	+3·3	58	28rd	80	+2	5·9	5·44	+2·79	9	+3·9	2·36	2nd
	December	·758	+·016	N 65° E	3·1	66·3	62·0	80·2	+0·7	84	27th	58·7	+2·3	52	20th	78	+1	3·5	0·43	—0·42	2	+1·2	0·25	1st
	Year	26·768	+·065	..	5·1	70·5	65·7	83·8	+0·5	98	..	64·4	+1·7	51	..	78	..	5·6	43·15	+7·24	90	+22·9	2·36	..

*Data supplied by the Meteorological Reporter to the Government of Mysore.

MONTHLY AND ANNUAL TABLE D-3 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Month.	Pressure. At 8 hrs. reduced to 32° F and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 hrs.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 hrs. Dry bulb.	Temperature. Mean 8 hrs. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Maximum. Date.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Temperature. Minimum. Date.	Humidity. Mean 8 hrs.	Humidity. Departure from normal.	Cloud. Mean amount 8 hrs.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.	Rainfall. Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Balehonnur* (Mysore) (2,968)	January.	27·080	..	S 28° E	2·9	63·3	56·9	69·8	..	86	31st	56·7	..	53	7th	67	..	0·4	0	..	0	..	0	..
	February	·026	..	S 53° E	0·9	64·3	60·8	82·2	..	85	15th	58·5	..	53	6th	82	..	4·2	0	..	0	..	0	..
	March	·014	..	S 56° E	1·7	70·2	64·6	88·3	..	93	22nd	63·4	..	59	12th	75	..	3·0	0·03	..	0	..	0·03	31st
	April	26·986	..	S 45° E	1·1	72·5	68·1	87·2	..	91	19th	66·5	..	62	20th	80	..	4·0	4·11	..	8	..	1·27	26th
	May	·906	..	S 45° E	0·9	72·0	69·7	82·6	..	91	6th and 13th	67·3	..	68	17th	89	..	7·0	8·98	..	12	..	2·06	20th
	June	·997	..	N 51° W	0·8	69·9	68·0	76·8	..	81	1st	66·1	..	64	20th	90	..	8·0	8·32	..	19	..	1·11	9th
	July	·852	..	N 37° W	2·7	68·7	67·1	73·7	..	81	2nd	66·1	..	64	28th	92	..	9·5	40·67	..	27	..	6·60	10th
	August	·901	..	S 71° W	1·5	69·3	68·1	77·8	..	85	22nd	66·5	..	64	15th	94	..	9·0	21·18	..	21	..	3·42	4th
	September	·931	..	S 54° W	1·3	68·2	67·0	75·4	..	81	30th	65·3	..	64	16th, 23rd & 27th	94	..	8·9	12·79	..	22	..	1·85	4th
	October	·958	..	S 43° E	0·7	68·7	63·1	79·0	..	83	16th	65·9	..	62	23rd	96	..	8·8	9·19	..	14	..	1·61	18th
	November	·989	..	S 69° E	0·5	67·7	66·1	78·3	..	82	16th	62·8	..	55	12th	92	..	5·7	8·30	..	9	..	2·20	7th
	December	27·049	..	S 58° E	0·6	65·6	61·6	78·4	..	84	27th	57·8	..	53	9th	79	..	2·0	0·05	..	0	..	0·05	1st
	Year	26·967	..	..	1·3	68·4	65·5	80·0	..	93	..	63·6	..	53	..	86	..	5·9	113·62	..	132	..	6·60	..
Minicoy (Arabian Sea) (7).	January	29·955	..	N 42° E	2·5	82·0	73·6	86·1	..	88	26th	73·5	..	69	7th and 29th	65	..	2·3	0	..	0	...	0	..
	February	·924	..	N 14° E	2·6	82·5	74·1	86·6	..	88	19th	75·8	..	70	2nd	65	..	4·3	0·02	..	0	..	0·01	12th and 16th
	March	·896	..	N 9° E	2·1	84·2	76·5	88·4	..	91	3rd	76·6	..	71	1st	70	..	5·5	0·38	..	1	..	0·35	25th
	April	·870	..	N 31° W	3·1	85·7	77·3	90·2	..	92	28th	78·8	..	76	21st and 25th	66	..	3·4	0·25	..	1	..	0·22	28th
	May	·807	..	N 57° W	7·5	83·5	78·6	88·3	..	98	1st	78·2	..	72	24th	79	..	7·0	15·72	..	15	..	3·22	25th
	June	·837	..	N 89° W	7·1	83·1	78·1	87·6	..	90	12th, 13th & 14th	78·1	..	73	28th	79	..	6·0	6·05	..	11	..	1·19	20th
	July	·800	..	S 82° W	8·8	81·7	77·5	85·4	..	89	28th	77·4	..	72	5th	83	..	6·2	9·63	..	11	..	3·33	3rd
	August	·817	..	N 60° W	5·3	80·9	76·3	85·1	..	88	2nd and 15th	76·6	..	71	6th	80	..	6·6	9·75	..	13	..	2·44	20th
	September	·856	..	N 75° W	5·6	82·5	76·9	86·8	..	88	22nd	77·8	..	75	23rd	77	..	4·1	1·04	..	7	..	0·62	1st
	October	·843	..	N 89° W	7·4	81·7	77·2	85·1	..	88	2nd	76·8	..	70	26th	81	..	7·8	7·02	..	17	..	2·02	8th
	November	·864	..	N 39° W	3·5	80·6	76·4	85·5	..	87	7th	75·7	..	72	17th	82	..	6·7	9·26	..	5	..	4·06	11th
	December	·869	..	N 32° E	2·2	80·7	75·6	85·3	..	87	16th and 29th	75·0	..	70	23rd	78	..	7·8	4·35	..	4	..	3·13	1st
	Year	29·861	..	..	4·9	82·4	76·5	86·7	..	98	..	76·8	..	69	..	75	..	5·6	64·97	..	89	..	4·08	..

* Data supplied by the Meteorological Reporter to the Government of Mysore.

MONTHLY AND ANNUAL TABLE D-3 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

Station, and height of bar-cistern above sea level in feet.	Month.	Pressure. At 8 hrs. reduced to 32° F. and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 hrs.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 hrs. Dry bulb.	Temperature. Mean 8 hrs. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Maximum. Date.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Temperature. Minimum. Date.	Humidity. Mean 8 hrs.	Humidity. Departure from normal.	Cloud. Mean amount 8 hrs.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.	Rainfall. Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Amini Divi (Arabian Sea) (13).	January	29·957	+·028	N 40° E	2·4	81·6	73·6	86·9	+0·8	89	24th	70·9	—3·1	68	21st	67	—5	1·4	0	—0·70	0	—1·1	0	..
	February	·915	—·008	N 7° W	5·2	81·8	74·2	88·4	+1·3	91	20th	76·0	0	71	2nd	69	—3	3·9	0	—0·08	0	—0·3	0	..
	March	·891	+·001	N 3° E	4·7	84·3	76·8	89·9	+0·4	94	25th	77·5	—0·1	69	1st	70	—2	3·1	0	—0·05	0	—0·1	0	..
	April	·858	+·024	N 33° W	6·5	85·9	77·9	90·2	—1·5	95	28th and 29th	80·5	+0·7	77	5th	68	—3	4·6	0	—1·50	0	—1·7	0	..
	May	·762	—·046	N 58° W	10·5	84·3	78·9	89·0	—2·5	95	7th	80·9	+0·3	73	16th	77	+3	7·7	13·62	+9·95	10	+5·3	2·90	22nd
	June	·790	+·023	N 88° W	11·9	82·7	79·0	86·2	—1·1	88	8th	78·5	+0·4	73	4th	85	+3	7·2	12·81	—1·50	14	—2·5	2·53	18th
	July	·745	—·043	S 82° W	15·0	81·8	79·2	84·5	—1·2	86	1st and 3rd	77·0	—0·4	74	10th	89	+6	7·9	4·63	+12·63	20	+4·3	6·35	5th
	August	·775	—·048	N 49° W	12·6	81·4	78·9	84·4	—1·3	87	17th	77·9	+0·5	74	24th	89	+7	8·3	12·72	+5·07	12	+0·6	2·62	30th
	September	·820	—·028	N 85° W	11·3	81·7	77·8	84·5	—1·3	87	30th	77·4	+0·2	75	11th	83	+2	5·8	3·31	—3·04	8	—2·5	0·95	6th
	October	·808	—·049	N 78° W	4·7	80·6	76·8	85·6	—0·8	90	7th	76·9	+0·1	72	26th	83	+3	8·3	13·15	+7·34	15	+6·3	4·80	25th
	November	·845	—·030	N 13° W	4·4	82·1	76·4	87·6	+1·1	90	7th	76·7	+1·2	72	20th	77	+1	6·3	4·76	+2·18	7	+2·8	3·50	20th
	December	·909	+·001	N 21° E	2·4	82·8	75·2	87·8	+1·5	91	15th	75·0	+1·2	69	22nd	69	—3	3·6	0·11	—1·16	0	—2·0	0·07	3rd
	Year	29·840	—·014	..	7·6	82·6	77·1	87·1	—0·4	95	..	77·1	+0·1	68	..	77	+1	5·7	65·11	+9·14	86	+9·1	6·35	..
Gyantse (Tibet) (13,110).	January	18·489	..	S 51° E	2·0	18·6	..	41·3	..	49	13th	7·6	..	1	4 days	..	..	..	0	..	0	..	0	..
	February	·309	..	S 31° E	2·8	20·3	..	38·7	..	51	15th	9·7	..	4	21st	..	..	..	0·01	..	0	..	0·01	21st
	March	·502	..	S 20° E	2·9	30·1	..	47·8	..	61	27th	18·3	..	9	4th, 6th & 21st	..	..	..	0·53	..	3	..	0·23	19th
	April	·533	..	S 74° E	3·0	36·2	..	53·2	..	63	9th	25·4	..	18	28th	..	..	..	0·91	..	3	..	0·39	21st
	May	·551	..	S 86° E	3·9	45·7	(b) 39·9	62·3	..	73	30th	32·9	..	27	4th and 8th	63	..	..	0·39	..	1	..	0·27	25th
	June	·512	..	S 45° E	2·6	53·9	47·0	70·2	..	77	14th	43·8	..	39	6th	63	..	..	1·21	..	4	..	0·34	3rd
	July	·543	..	S 72° E	2·4	50·8	(d) 47·7	68·8	..	74	13th and 22nd	41·2	..	31	7th	68	..	..	2·07	..	5	..	0·77	15th
	August	·554	..	N 88° E	1·5	51·6	(c) 47·3	70·6	..	76	7th	42·8	..	39	25th	72	..	..	2·32	..	6	..	0·62	25th
	September	·549	..	S 81° E	1·6	49·9	(d) 44·9	68·1	..	73	1st	39·7	..	33	19th, 20th & 21st	68	..	..	0·26	..	2	..	0·12	6th
	October	·560	..	S 61° E	2·6	41·7	37·5	63·4	..	71	1st	29·6	..	21	21st	72	..	..	0	..	0	..	0	..
	November	·585	..	S 79° E	1·6	31·5	..	53·5	..	62	2nd	18·1	..	6	28th	..	..	..	0	..	0	..	0	..
	December	·429	..	S 29° E	1·8	23·2	..	46	..	54	3rd and 4th	8·4	..	0	18th	..	..	..	0	..	0	..	0	..
	Year	18·510	..	..	2·4	37·8	..	57·0	..	77	..	26·5	..	0	..	..	..	..	7·70	..	24	..	0·77	..

(b) Mean of 29 days. (c) Mean of 28 days. (d) Mean of 27 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Month.	Pressure. At 8 hrs. reduced to 32° F and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 hrs	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 hrs. Dry bulb.	Temperature. Mean 8 hrs. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Maximum. Date.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Temperature. Minimum. Date.	Humidity. Mean 8 hrs.	Humidity. Departure from normal.	Cloud. Mean amount 8 hrs.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.	Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Kashgar Eastern Turkistan) (4,255).	January.	25·675	—·025	N	0	21·7	..	37·4	+3·3	56	26th	(a) 14·3	+2·1	7	8th	..	..	3·6	0	—0·17	0	—0·8	0	..
	February	·545	—·095	S 76° E	0·4	33·3	..	46·7	+3·5	59	2nd	(c) 23·6	+3·8	15	15th	..	..	2·7	0·02	—0·15	0	—0·5	0·02	6th
	March .	·506	—·054	N 9° W	0·9	54·5	45·3	66·9	+9·4	82	27th	38·3	+3·2	24	1st	47	—10	1·5	0	—0·31	0	—0·7	0	..
	April .	·417	—·093	N 34° W	1·0	63·8	50·5	76·7	+4·7	87	30th	50·7	+2·2	43	7th	36	—11	3·4	0	—0·24	0	—0·9	0	..
	May .	·385	—·115	N 8° W	1·4	69·3	55·5	80·4	—1·6	100	23rd	54·5	—3·4	44	10th	38	—8	2·5	0·23	—0·42	1	—0·2	0·17	27th
	June .	·336	—·074	N 60° W	(b) 2·0	76·5	62·2	89·1	—0·7	98	19th	61·9	—2·2	48	23rd	42	—2	0·6	0·12	—0·15	1	+0·2	0·12	14th
	July .	·230	—·140	N 11° W	1·5	81·5	68·6	95·5	+3·0	105	10th	69·5	+1·8	60	1st	51	+2	0·8	0·26	+0·02	1	+0·2	0·20	20th
	August .	·358	—·092	N	1·4	75·0	63·8	88·9	—1·6	95	9th	64·8	—0·9	55	28th	54	0	1·0	0·31	—0·22	1	—0·6	0·22	26th
	September	·427	—·143	N 45° W	1·2	67·1	60·0	82·2	—1·6	91	9th	53·7	—3·3	43	28th	66	+11	0·8	0·08	—0·19	0	—0·7	0·08	11th
	October .	·311	—·069	N 38° E	(a) 4·9	50·9	45·3	67·2	—3·7	81	1st	40·9	—1·8	31	30th and 31st	64	+7	1·8	0·46	+0·44	2	+1·9	0·28	16th
	November	·640	—·090	N 24° E	1·2	34·0	31·3	50·9	—2·4	68	10th	28·2	—0·3	22	30th	77	+10	1·0	0	—0·15	0	—1·1	0	..
	December	·689	—·061	N 50° E	1·2	19·9	18·6	30·2	—7·1	44	2nd	16·4	—0·3	0	31st	80	+1	3·0	0·01	—0·13	0	—0·4	0·01	5th
	Year .	25·485	—·085	..	1·4	54·0	..	67·7	+0·5	105	..	43·1	+0·1	0	..	..	..	1·9	1·49	—1·67	6	—3·6	0·28	..
Kabul (Afghanistan) (5,785).	January.	24·370	..	S 28° W	0·6	33·5	30·4	45·4	..	58	28th	28·4	..	18	13th	71	..	6·4	0·74	..	2	..	0·35	31st
	February	·278	..	S 29° W	0·6	35·6	30·5	46·9	..	57	26th	28·4	..	23	14th and 15th	58	..	3·4	1·36	..	4	..	0·62	29th
	March .	·298	..	S 10° W	0·4	45·6	41·1	54·7	..	66	21st	38·3	..	31	3rd	70	..	0·6	4·33	..	12	..	0·64	6th
	April .	·261	..	S 13° W	0·6	59·9	49·2	(n) 67·3	..	78	14th and 15th	44·5	..	33	8th	45	..	3·8	1·22	..	4	..	0·33	29th
	May .	·207	..	S 15° E	0·9	66·4	51·8	74·7	..	91	23rd	48·5	..	37	9th	35	..	2·1	0·34	..	1	..	0·24	12th
	June .	·112	..	N 79° E	1·3	77·1	55·7	85·8	..	94	10th	53·9	..	45	16th	22	..	1·1	0·10	..	0	..	0·06	4th
	July .	·048	..	S 85° E	0·7	82·2	63·6	92·4	..	100	29th	62·6	..	54	2nd	35	..	2·3	0·31	..	1	..	0·29	21st
	August .	·140	..	N 60° E	0·6	78·5	60·6	90·5	..	95	5th	57·8	..	49	27th	34	..	1·0	0	..	0	..	0	..
	September	·188	..	S 18° W	0·4	70·8	52·7	85·3	..	91	6th	50·2	..	40	23rd	26	..	0·2	0·02	..	0	..	0·02	1st
	October .	·319	..	S 38° W	0·2	55·1	42·4	72·5	..	81	1st	39·9	..	30	27th and 28th	29	..	1·0	0	..	0	..	0	..
	November	·366	..	S 20° W	0·1	43·7	33·6	63·4	..	69	3rd	32·1	..	27	29th	29	..	2·2	0	..	0	..	0	..
	December	·362	..	S 25° W	0·6	33·4	26·9	50·7	..	60	4th and 5th	24·6	..	14	29th and 30th	42	..	2·9	0·03	..	0	..	0·03	19th
	Year .	24·246	..	..	0·6	56·8	44·9	69·1	..	100	..	42·4	..	14	..	41	..	2·3	8·45	..	24	..	0·64	..

(a) Mean of 30 days. (b) Mean of 29 days. (c) Mean of 28 days. (n) Mean of 17 days.

MONTHLY AND ANNUAL TABLE D-3 FOR 1932—*concld.*

Abstract of 8 hrs. (local time) observations.

Station and height of bar-cistern above sea-level in feet.	Month.	Pressure. At 8 hrs. reduced to 32° F and standard gravity.	Pressure. Departure from normal.	Wind. Mean direction at 8 hrs	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 hrs. Dry bulb.	Temperature. Mean 8 hrs. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Maximum. Date.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Temperature. Minimum. Date.	Humidity. Mean 8 hrs.	Humidity. Departure from normal.	Cloud. Mean amount 8 hrs.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.	Rainfall. Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Hinaidi (Baghdad) (Iraq). 6 hrs.(G. M. T.)	January.	30·030	..	N 46° W	2·9	42·7	40·2	57·5	..	66	3rd	37·6	..	26	8th	80	..	4·3	1·46	..	3	..	0·72	15th
	February	29·962	..	S 36° E	2·6	49·6	44·3	66·1	..	82	19th	41·2	..	24	9th	65	..	3·6	0·05	..	0	..	0·05	6th
	March .	·866	..	N 43° W	2·7	60·2	50·3	(a) 76·4	..	89	15th and 22nd	49·5	..	36	4th	46	..	4·1	0·02	..	0	..	0·01	9th and 22nd
	April .	·801	..	N 76° W	3·7	69·7	55·1	84·4	..	101	8th	55·5	..	46	14th	34	..	3·4	0·28	..	1	..	0·28	20th
	May .	·708	..	N 70° W	3·7	82·0	61·5	95·1	..	111	31st	65·7	..	54	2nd	26	..	2·6	0·08	..	1	..	0·08	13th
	June .	·534	..	N 69° W	4·4	91·5	64·6	107·5	..	117	21st	76·5	..	64	13th	18	..	0·8	0	..	0	..	0	..
	July .	·339	..	N 71° W	4·6	90·6	65·1	107·3	..	112	18th	77·8	..	70	5th	21	..	1·3	0	..	0	..	0	..
	August .	·460	..	N 69° W	3·8	93·5	68·2	112·5	..	120	24th	78·7	..	68	30th	23	..	0·4	0	..	0	..	0	..
	September	·615	..	N 86° W	3·1	83·8	63·6	101·7	..	108	12th	68·9	..	60	30th	28	..	0·1	0	..	0	..	0	..
	October .	·814	..	N 71° W	2·3	77·6	60·3	96·4	..	103	1st and 4th	61·3	..	57	31st	32	..	0·1	0	..	0	..	0	..
	November	29·938	..	S 29° W	2·2	60·0	50·8	76·8	..	98	1st	50·0	..	28	22nd	50	..	3·0	0·07	..	0	..	0·04	17th
	December	30·075	..	N 62° W	2·6	41·3	36·7	59·4	..	73	13th	34·6	..	26	29th	61	..	2·5	0·05	..	0	..	0·03	7th
	Year .	29·762	..	..	3·2	70·2	55·1	86·7	..	120	..	58·1	..	24	..	40	..	2·2	2·01	..	5	..	0·72	..

(a) Mean of 30 days.

Table D-4.—Abstract of observations taken at 8 hrs. (local time) at 18 fourth class stations, in the year 1932.

MONTHLY AND ANNUAL TABLE D-4 FOR 1932.

Abstract of 8 hrs. (local time) observations.

STATION.	MONTH.	WIND. Mean Direction at 8 hrs.	WIND. Mean velocity in miles per hour.	TEMPERATURE. Mean 8 hrs. Dry bulb.	TEMPERATURE. Mean 8 hrs. Wet bulb.	TEMPERATURE. Maximum. Mean.	TEMPERATURE. Maximum. Departure from normal.	TEMPERATURE. Maximum. Highest month or year.	TEMPERATURE. Maximum. Date.	TEMPERATURE. Minimum. Mean.	TEMPERATURE. Minimum. Departure from normal.	TEMPERATURE. Minimum. Lowest in month or year.	TEMPERATURE. Minimum. Date.	HUMIDITY. Mean 8 hrs.	HUMIDITY. Departure from normal.	CLOUD. Mean amount 8 hrs.	RAINFALL. Total of the month or year.	RAINFALL. Departure from normal.	RAINFALL. Number of rainy days.	RAINFALL. Departure from normal.	RAINFALL. Heaviest fall in month or year.	RAINFALL. Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Lumding (Assam)	January	..	..	54·1	53·7	72·7	—0·9	78	18th	48·8	+1·0	44	28th	95	0	..	0·77	+0·08	2	+0·4	0·60	30th
	February	..	..	56·1	55·0	72·7	—5·1	78	27th	50·0	+0·2	43	7th	93	0	..	1·85	+0·60	3	+0·2	0·75	7th
	March	..	..	66·5	63·1	87·5	+1·9	96	29th	59·6	+1·6	51	1st & 6th	81	—2	..	1·49	—0·89	4	—1·0	0·65	17th
	April	..	..	72·3	67·9	91·0	+2·7	102	10th	66·1	+0·4	59	4th	78	—3	..	3·07	—1·10	4	—4·7	2·05	26th
	May	..	..	76·6	71·9	90·6	+0·9	101	16th	72·5	+1·4	66	3rd	79	—6	..	4·62	—1·59	7	—3·8	2·05	25th
	June	..	..	80·1	77·1	89·1	—1·0	94	6th	76·7	+1·7	74	1st, 17th & 29th	87	+2	..	9·49	+0·67	17	+3·4	2·75	29th
	July	..	..	79·5	77·5	90·2	—1·2	95	25th	76·5	+0·4	74	25th	91	+5	..	14·87	+7·26	13	+1·0	3·35	25th
	August	..	..	79·9	77·0	89·1	—1·2	93	5th	76·6	+0·1	74	26th	87	—1	..	4·48	—3·58	11	—0·4	1·20	24th
	September	..	..	78·1	76·8	88·3	—0·6	92	2nd	75·8	+0·9	73	30th	93	+3	..	16·99	+10·12	17	+6·1	3·25	14th
	October	..	..	74·6	73·0	85·8	+0·7	88	8th	70·3	+0·7	64	11th	93	+1	..	1·02	—2·51	3	—3·1	0·45	26th
	November	..	..	67·7	67·4	78·5	—0·8	86	1st & 2nd	64·4	+5·0	56	30th	97	+2	..	3·51	+2·28	6	+4·3	1·35	16th
	December	..	..	56·5	56·3	71·1	—2·9	76	1st	52·8	+2·4	45	30th	100	+5	..	0	—0·30	0	—0·9	0	..
	Year	..	..	70·2	68·1	83·9	—0·6	102	..	65·8	+1·3	43	..	89	0	..	62·16	+11·04	87	+1·5	3·35	..
Mawsen (Sylhet) (Assam).	January	..	..	58·9	55·6	76·8	—2·2	81	15th	49·6	+3·8	45	27th	79	+3	..	0·49	—0·10	2	+0·7	0·32	22nd
	February	..	..	60·8	55·8	77·0	—3·5	82	26th	50·6	+1·3	43	10th	73	—4	..	1·42	+0·13	2	—1·3	1·12	5th
	March	..	..	71·6	64·1	90·3	+3·4	97	31st	59·6	+3·3	52	1st	64	—9	..	0·55	—2·06	2	—3·3	0·33	20th
	April	..	..	77·7	(j) 70·3	92·3	+3·6	103	12th	66·6	+3·4	60	4th	67	—9	..	5·86	+0·04	8	—3·7	1·11	14th
	May	..	..	79·1	74·2	88·1	—3·4	98	19th	71·4	+2·3	65	3rd	78	+1	..	8·61	+0·55	13	—0·4	1·35	11th
	June	..	..	82·4	78·6	90·2	—2·6	97	8th	76·0	+1·6	74	29th	83	+3	..	13·69	+0·47	20	+2·3	3·87	19th
	July	..	..	82·5	79·0	92·7	—0·5	99	25th	76·7	+1·2	73	11th	85	+2	..	13·95	—4·02	22	+1·8	2·13	5th
	August	..	..	83·5	79·1	91·5	—2·2	95	4th	73·6	—1·8	74	28th	81	—2	..	14·33	—2·51	21	+2·0	2·11	6th
	September	..	..	82·2	78·9	90·3	—3·1	95	12th	76·1	+2·0	74	8th	85	+3	..	11·32	+0·55	15	+0·6	1·88	7th
	October	..	..	80·1	75·1	89·5	—1·1	95	22nd	69·9	+1·7	64	11th	78	—1	..	1·85	—3·13	6	—1·6	0·56	24th
	November	..	..	72·2	69·0	83·9	—2·4	90	6th	63·5	+6·5	54	23rd	85	+8	..	2·14	+1·63	3	+1·8	1·14	3rd
	December	..	..	62·0	59·4	77·3	—3·2	82	1st, 6th & 8th	52·1	+5·2	44	30th	85	+9	..	0·46	+0·02	1	—0·2	0·39	9th
	Year	..	..	74·4	69·9	86·7	—1·4	103	..	65·5	+2·6	43	..	79	+1	..	74·67	—8·43	115	—1·3	3·87	..
Brahmanbaria (Bengal).	January	..	..	60·4	57·6	79·4	+0·2	83	31st	51·0	—1·6	49	16th	82	+1	..	0	—0·22	0	—0·7	0	..
	February	..	..	65·0	61·3	83·3	+1·3	85	18th	58·1	+2·6	53	5th	81	+3	..	1·65	+0·29	2	—0·2	1·21	4th
	March	..	..	71·4	67·3	89·7	+0·8	94	18th	62·9	—1·2	57	1st	80	+3	..	4·91	+1·19	4	—0·4	2·20	24th
	April	..	..	79·0	74·9	94·9	+4·2	100	13th, & 14th	71·4	+1·8	68	28th	82	+3	..	3·34	—4·31	5	—3·4	1·09	28th
	May	..	..	78·8	72·9	92·1	+1·2	98	22nd	70·0	—3·7	67	6th	74	—6	..	7·94	—4·02	8	—3·7	2·64	25th
	June	..	..	78·9	74·5	91·8	+2·6	94	3rd	71·9	—3·3	71	30th	80	—3	..	6·77	—9·76	14	—2·4	1·58	29th
	July	..	..	82·0	77·5	90·8	+1·9	95	21st	74·2	—2·1	70	1st	81	—3	..	9·44	—2·27	14	—2·3	2·15	6th
	August	..	..	81·2	78·0	87·5	—1·3	89	19th	75·9	—0·6	75	4 days	87	+3	..	8·66	—3·62	15	—2·2	1·56	20th
	September	..	..	82·1	79·5	89·7	—0·3	94	28th	77·2	+0·7	75	1st	89	+6	..	6·84	—2·90	13	—0·1	2·51	1st
	October	..	..	81·8	79·7	91·1	+2·4	93	7th	76·2	+2·9	74	25th	91	+8	..	5·34	—0·92	5	—1·9	2·90	3rd
	November	..	..	75·0	72·4	86·8	+1·1	92	1st	69·7	+5·6	63	30th	88	+12	..	2·10	+1·40	4	+2·9	0·70	16th
	December	..	..	67·0	64·1	80·3	—0·1	83	1st	59·9	+5·7	57	31st	84	+7	..	0	—0·31	0	—0·7	0	..
	Year	..	..	75·2	71·6	88·1	+1·2	100	..	68·2	+0·5	53	..	83	+3	..	56·99	—25·45	84	—15·1	2·90	..

(j) Mean of 21 days.

MONTHLY AND ANNUAL TABLE D-4 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

STATION.	Month.	Wind. Mean Direction at 8 hrs.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 hrs. Dry bulb.	Temperature. Mean 8 hrs. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Maximum. Date.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Temperature. Minimum. Date.	Humidity. Mean 8 hrs.	Humidity. Departure from normal.	Cloud. Mean amount 8 hrs.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.	Rainfall. Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Goalundo (Bengal).	January	..	..	60·4	57·7	80·1	+6·7	84	22nd & 26th	52·7	+1·8	50	8th	85	+5	..	0	—0·21	0	—0·7	0	..
	February	..	..	62·5	59·7	79·6	—2·3	88	29th	54·2	+0·8	44	17th	83	+7	..	1·47	+0·08	1	—1·4	1·21	4th
	March	..	..	77·4	70·0	91·8	+1·0	99	29th & 31st	65·3	+3·4	56	8th	67	—7	..	0·37	—1·96	2	—1·8	0·21	19th
	April	..	..	81·3	75·3	94·6	0	106	8th	71·8	+0·7	65	16th	74	—4	..	2·84	—1·43	7	+0·9	1·07	26th
	May	..	..	Observations not received.																		
	June	..	..																			
	July	..	..																			
	August	..	..																			
	September	..	..																			
	October	..	..																			
	November	..	..																			
	December	..	..																			
	Year	..	..																			
Pabna (Bengal).	January	..	..	61·0	58·3	81·9	+2·7	86	26th	54·0	+2·1	51	1st	85	+3	..	0	—0·29	0	—0·6	0	..
	February	..	..	63·0	58·9	82·4	—0·4	92	29th	54·7	—1·2	46	18th	78	+1	..	0·44	—0·63	2	+0·3	0·22	16th
	March	..	..	76·2	69·7	95·2	+4·0	102	31st	65·8	+2·0	59	4th	71	—4	..	0·11	—1·26	0	—2·7	0·10	20th
	April	..	..	81·0	75·3	95·0	—0·9	108	9th	71·5	+0·2	66	2nd	76	—3	..	0·71	—2·17	2	—2·7	0·32	26th
	May	..	..	84·0	79.7	96·4	+1·8	105	2nd	76·7	+2·1	69	24th	81	—1	..	7·49	+0·41	6	—3·1	3·40	24th
	June	..	..	84·3	81·1	92·1	+0·8	99	16th	77·9	+2·9	71	2nd	87	+1	..	8·85	—2·94	14	—0·6	1·76	2nd
	July	..	..	82·7	80·3	88·9	—1·5	93	2nd	77·4	+1·1	73	1st	89	+2	..	10·09	—1·69	19	+2·3	1·51	4th
	August	..	..	82·9	80·3	89·7	—0·4	94	31st	78·2	+1·9	75	23rd	89	+2	..	7·01	—3·26	13	—3·0	1·83	22nd
	September	..	..	83·6	81·0	90·7	—0·9	95	26t	78·9	+2·5	76	3rd	89	+5	..	3·30	—4·96	10	—1·3	0·52	3rd
	October	..	..	81·1	77·3	92·3	+1·2	97	9th	73·7	+0·8	64	28th	83	+3	..	4·24	—1·19	6	+0·6	0·99	18th
	November	..	..	71·8	68·7	84·5	—2·0	92	1st	66·2	+2·4	58	29th	85	+6	..	3·00	+2·45	4	+3·2	1·02	1st
	December	..	..	62·8	60·1	80·8	+0·8	85	8th	53·2	—1·3	47	29th	86	+6	..	0	—0·19	0	—0·4	0	..
	Year	..	..	76·9	72·6	89·2	+0·5	108	..	69·0	+1·2	46	..	80	—1	..	45·24	—15·72	76	—8·0	3·40	..
Gurdaspur (Punjab).	January	..	..	49·1	46·8	71·1	..	76	3rd and 7th	(a) 43·7	..	38	2nd and 5th	82	..	3·7	1·52	..	1	..	1,45	10th
	February	..	..	50·9	47·8	71·3	..	79	28th and 29th	44·3	..	38	8th	79	..	3·4	1·77	..	2	..	0.98	2nd
	March	..	..	62·3	56·5	82·2	..	96	23rd	55·3	..	47	13th	67	..	6·6	1·81	..	4	..	0·63	10th
	April	..	..	78·4	61·9	96·1	..	105	16th	63·6	..	55	11th	34	..	4·7	0·55	..	1	..	0·51	26th
	May	..	..	86·0	65·4	100·2	..	112	24th	69·7	..	62	2nd and 13th	28	..	3·3	0·31	..	2	..	0·18	25th
	June	..	..	92·0	72·2	107·6	..	117	13th	79·9	..	69	23rd	34	..	3·1	1·15	..	4	..	0·66	23rd
	July	..	..	84·5	77·4	95·2	..	107	4th	78·8	..	73	31st	71	..	8·4	15·55	..	13	..	4·46	29th
	August	..	..	81·7	77·3	91·1	..	96	21st	76·5	..	65	27th	81	..	7·9	7·17	..	9	..	2·20	13th
	September	..	..	81·0	74·4	95·8	..	100	22nd	73·9	..	68	30th	72	..	3·2	0·33	..	1	..	0·33	4th
	October	..	..	70·7	61·1	92·7	..	99	3rd	60·3	..	48	31st	56	..	2·1	0	..	0	..	0	..
	November	..	..	57·6	51·2	83·3	..	89	3rd	46·3	..	42	27th	61	..	2·3	0	..	0	..	0	..
	December	..	..	47·4	44·6	70·6	..	81	1st	40·6	..	34	17th	78	..	4·6	1·30	..	1	..	1·30	24th
	Year	..	..	70·1	61·4	88·1	..	117	..	61·1	..	38	..	62	..	4·4	31·46	..	38	..	4·46	..

(a) Mean of 30 days.

MONTHLY AND ANNUAL TABLE D-4 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

STATION.	Month.	Wind. Mean Direction at 8 hrs.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 hrs. Dry bulb.	Temperature. Mean 8 hrs. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Maximum. Date.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Temperature. Minimum. Date.	Humidity. Mean 8 hrs.	Humidity. Departure from normal.	Cloud. Mean amount 8 hrs.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.	Rainfall. Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Sargoda (Punjab)	January	E	1·0	46·1	(k) 46·1	70·9	..	77	27th & 31st	40·8	..	32	1st & 4th	(k) 92	..	2·6	0·85	..	2	..	0·61	10th
	February	N 45°E	1·2	49·8	47·5	71·8	..	79	26th, 27th & 28th	42·0	..	35	8th	82	..	1·8	0·81	..	2	..	0·50	14th
	March	Calm	1·9	64·8	59·3	82·4	..	95	22nd	54·3	..	46	13th	70	..	0·6	0·11	..	1	..	0·11	10th
	April	N	1·8	80·9	63·3	98·0	..	106	15th	63·7	..	53	5th	33	..	1·4	0	..	0	..	0	..
	May	N 45°E	1·9	87·8	66·6	100·9	..	119	24th	68·9	..	57	8th	29	..	0	0	..	0	..	0	..
	June	Calm	2·6	(g) 95·0	(g) 79·5	(g) 108·6	..	118	12th	(h) 79·0	..	69	3rd	(g) 48	..	0	0·03	..	0	..	0·03	22nd
	July	N 45°E	(b) 2·2	87·5	79·2	100·2	..	116	6th	79·3	..	63	18th	67	..	0	6·10	..	7	..	2·37	25th
	August	N 45°W	2·0	86·1	79·3	97·6	..	103	21st & 25th	79·0	..	67	26th	72	..	..	10·68	..	3	..	4·74	9th
	September	S 73°E	1·2	84·6	75·3	100·2	..	104	15th & 16th	(b) 74·2	..	67	30th	62	..	..	0·53	..	1	..	0·49	9th
	October	..	..	..	..	..	..	..	..	..	..	..	...	..	..	..	..	..	..	..	..	..
	November	S 67°E	0·7	58·6	51·6	85·4	..	90	1st	45·0	..	40	30th	59	..	..	0	..	0	..	0	..
	December	N 53°E	1·1	45·9	42·2	72·8	..	84	5th	30·7	..	31	9th, 10th & 13th	72	..	..	0	..	0	..	0	..
	Year	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Jammu (Kashmir)	January	N 45°E	..	53·7	48·7	69·7	+3·8	75	26th & 30th	51·3	+3·1	48	2nd, 16th & 17th	68	—3	4·1	4·07	+1·69	2	—1·8	3·73	10th
	February	N 38°E	..	56·7	48·1	70·8	+2·1	78	19th	51·2	+0·3	43	16th	50	—17	1·9	0·98	—1·38	2	—1·5	0·79	2nd
	March	N 34°E	..	66·8	57·0	80·6	+2·9	94	24th	61·8	+3·7	54	13th	52	—2	3·8	1·58	—1·07	5	+0·5	0·60	12th
	April	N 4°E	..	80·2	60·2	94·4	+4·3	102	25th	71·2	+2·4	61	1st	23	—15	1·8	0·42	—1·05	2	—0·9	0·22	17th
	May	N 25°E	..	84·0	64·3	97·7	—1·5	111	24th	75·9	—1·6	65	7th	31	—5	2·1	1·52	+0·51	2	—0·5	1·06	25th
	June	N 45°E	..	91·3	70·3	107·1	+5·0	116	13th	85·0	+2·7	72	23rd	32	—13	1·6	1·12	—1·62	3	—0·7	0·60	30th
	July	N 49°E	..	84·9	77·2	95·6	0	106	6th	81·0	+1·8	74	31st	70	—10	4·4	17·09	+4·21	11	—0·3	3·64	27th
	August	N 59°E	..	80·2	76·5	90·8	—1·1	95	21st & 25th	76·8	—0·7	67	26th	85	+6	4·0	17·73	+5·36	14	+2·7	3·35	26th
	September	N 23°E	..	81·5	73·7	93·5	+1·5	97	17th	77·0	+2·2	69	7th	68	+1	0·5	1·62	—1·82	3	—0·8	0·88	7th
	October	N 47°E	..	72·9	58·9	90·3	+2·1	96	1st	68·4	+1·7	60	31st	39	—12	1·0	0	—0·68	0	—1·0	0	..
	November	N 59°E	..	62·6	51·1	80·0	+2·2	85	4th	56·9	+1·2	53	29th	39	—17	0·1	0	—0·35	0	—0·7	0	..
	December	N 59°E	..	53·4	46·0	68·2	+0·5	77	19th	48·7	0	41	26th	52	—15	2·0	2·14	+0·74	4	+1·2	0·94	24th
	Year	..	..	72·3	61·0	86·6	+1·8	116	..	67·1	+2·0	41	..	51	—8	2·3	48·27	+5·33	48	—2·8	3·73	..
Kareli (Kashmir)	January	S 3°W	..	13·9	..	28·5	+1·7	39	8th	9·8	+9·5	1	4 days	..	..	6·5	2·05	+0·59	7	+3·1	0·57	20th
	February	S 8°W	..	7·0	..	23·5	—6·0	36	2nd	3·9	+1·6	—5	17th	..	..	3·5	0·95	—0·13	5	+2·1	0·36	1st
	March	S 45°W	..	30·5	..	45·4	+3·8	60	28th	27·5	+12·7	12	6th	..	..	5·1	0·47	—0·71	2	—0·8	0·24	2nd
	April	N 45°W	..	44·7	41·4	63·9	+5·4	73	30th	40·3	+7·7	35	2nd	75	+10	3·6	0·54	—1·48	1	—2·7	0·54	5th
	May	N 85°W	..	51·1	47·5	67·0	—4·0	82	23rd	46·5	+3·8	40	12th	78	+24	6·5	1·52	+0·65	4	+1·7	0·49	24th
	June	N 65°W	..	62·1	53·8	77·5	—3·4	85	20th	54·8	+3·6	50	24th	58	+14	3·2	0·18	+0·02	1	+0·4	0·15	21st
	July	N 66°W	..	71·7	60·7	87·7	0	100	30th	63·0	+7·7	52	1st	54	+10	4·3	0·18	—0·15	1	+0·1	0·11	25th
	August	N 72°W	..	66·7	55·8	84·2	—3·8	90	3rd	61·7	+4·0	52	31st	50	+7	3·9	0·05	0·26	0	—1·1	0·02	26th
	September	N 22°E	..	58·8	49·2	79·1	—0·3	81	15th	54·8	+5·6	50	25th	51	+9	1·8	0	0·15	0	—0·6	0	..
	October	N 15°W	..	45·5	38·0	63·4	—3·3	79	1st	41·6	+4·9	33	28th	43	—2	3·5	0·05	0·23	0	—0·5	0·05	9th
	November	N 83°E	..	35·2	27·2	54·2	+2·7	63	2nd	31·2	+9·1	26	27th	26	—35	2·5	0	—0·10	0	—0·3	0	..
	December	S 41°E	..	25·4	20·3	40·2	+4·4	52	2nd	20·5	+8·4	7	31st	43	—16	5·1	0·26	—0·45	1	—1·0	0·14	22nd
	Year	..	..	42·7	..	59·5	—0·4	100	..	38·2	+6·0	—5	..	..	..	4·1	6·25	—2·92	22	+0·7	0·57	..

(b) Mean of 9 days. (g) Mean of 24 days. (h) Mean of 23 days. (k) Mean of 20 days.

MONTHLY AND ANNUAL TABLE D-4 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

Station.	Month.	Wind. Mean Direction at 8 hrs.	Wind. Mean velocity in miles per hour.	Temperature. Mean 8 hrs. Dry bulb.	Temperature. Mean 8 hrs. Wet bulb.	Temperature. Maximum. Mean.	Temperature. Maximum. Departure from normal.	Temperature. Maximum. Highest in month or year.	Temperature. Maximum. Date.	Temperature. Minimum. Mean.	Temperature. Minimum. Departure from normal.	Temperature. Minimum. Lowest in month or year.	Temperature. Minimum. Date.	Humidity. Mean 8 hrs.	Humidity. Departure from normal.	Cloud. Mean amount 8 hrs.	Rainfall. Total of the month or year.	Rainfall. Departure from normal.	Rainfall. Number of rainy days.	Rainfall. Departure from normal.	Rainfall. Heaviest fall in month or year.	Rainfall. Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Bannu (N.W.F. Province)	January	N 15°W	..	47·0	43·4	70·9	..	79	31st	40·2	..	31	16th & 17th	73	..	2·5	1·10	..	1	..	1·10	10th
	February	..	..	48·0	43·1	71·8	..	78	27th	45·0	..	39	15th	63	..	1·2	0·67	..	3	..	0·30	1st
	March	N 3°E	..	60·0	53·9	79·9	..	90	20th & 22nd	56·1	..	44	11th	65	..	2·9	2·49	..	6	..	1·40	11th
	April	N 30°E	..	72·6	61·0	93·4	..	101	15th	66·1	..	57	1st	48	..	0·4	0	..	0	..	0	..
	May	N 34°E	..	81·6	66·1	98·6	..	113	23rd	69·5	..	61	8th	40	..	0·6	0·04	..	0	..	0·04	2nd
	June	N 41°E	..	90·3	70·7	108·2	..	114	29th	80·1	..	71	4th	35	..	0·8	0	..	0	..	0	..
	July	S 18°W	..	87·5	78·0	102·4	..	115	8th & 9th	81·4	..	74	20th & 21st	64	..	2·7	8·01	..	6	..	2·80	20th
	August	S 82°E	..	84·9	78·	99·3	..	105	25th	80·5	..	72	27th	72	..	1·4	1·82	..	4	..	0·67	13th
	September	S 27°E	..	80·5	70·8	100·5	..	106	4th	74·7	..	67	25th	61	..	0	0·68	..	1	..	0·68	25th
	October	S	..	69·2	56·6	92·3	..	100	1st	62·5	..	52	31st	43	..	0·3	0	..	0	..	0	..
	November	N	..	57·0	46·7	82·6	..	88	2nd	49·2	..	45	30th	38	..	0	0	..	0	..	0	..
	December	N 27°E	..	47·8	40·6	69·7	..	79	4th	40·5	..	34	30th	53	..	1·1	0·33	..	1	..	0·33	24th
	Year	..	..	68·9	59·1	89·1	..	115	..	62·1	..	31	..	55	..	1·2	15·14	..	22	..	2·80	..
Razmak (N.-W. F. Province)	January	..	..	38·1	32·2	52·9	..	63	28th	34·9	..	29	5th & 7th	46	..	2·6	0·09	..	0	..	0·04	8th
	February	..	..	33·6	..	50·1	..	55	23rd & 27th	30·6	..	21	13th	..	..	2·6	0·80	..	3	..	0·37	13th
	March	N 42°E	..	45·2	(b) 39·5	57·2	..	68	20th	40·4	..	30	11th	(b) 56	..	4·5	3·86	..	10	..	0·73	1st
	April	N 30°E	..	59·5	46·0	70·5	..	80	15th	49·9	..	44	1st	36	..	2·4	4·13	..	4	..	1·34	27th
	May	N 50°E	..	64·8	50·1	74·0	..	91	24th	54·5	..	45	7th	35	..	1·3	0·74	..	1	..	0·24	4th
	June	N 25°E	..	73·9	56·3	83·3	..	91	15th	64·3	..	54	4th	32	..	1·7	2·56	..	4	..	1·22	3rd
	July	N 39°E	..	73·7	63·6	81·8	..	91	8th	65·7	..	59	20th	58	..	2·9	6·99	..	11	..	1·54	17th
	August	N 27°E	..	69·7	61·7	78·6	..	85	25th	61·8	..	56	28th & 29th	64	..	1·4	4·10	..	9	..	1·70	1st
	September	..	..	67·4	53·4	79·6	..	84	3rd	57·6	..	53	25th	39	..	0·2	0·21	..	0	..	0·08	8th
	October	..	..	56·7	42·1	71·3	..	80	2nd	47·2	..	35	22nd	20	..	0·4	0	..	0	..	0	..
	November	N	..	47·1	34·1	64·0	..	67	1st	41·1	..	35	30th	19	..	0·5	0	..	0	..	0	..
	December	..	..	35·2	28·7	51·9	..	64	5th	32·4	..	19	30th	43	..	2·3	0	..	0	..	0	..
	Year	..	..	55·4	..	67·9	..	91	..	48·4	..	19	..	..	..	1·9	23·48	..	42	..	1·70	..
Wana (N.W. F. Province)	January	..	..	35·1	33·0	61·4	..	70	24th & 28th	31·4	..	21	1st & 2nd	80	..	(a) 1·5	0·51	..	1	..	0·35	10th
	February	..	..	32·4	..	60·9	..	68	26th	29·1	..	24	8th & 9th	..	..	2·3	0·57	..	2	..	0·39	29th
	March	S 11°W	..	46·1	43·7	68·3	..	79	21st	43·3	..	35	11th & 12th	83	..	2·3	2·86	..	7	..	0·53	28th
	April	S	..	58·4	49·9	82·5	..	90	15th & 16th	52·1	..	45	5th	55	..	2·4	0·64	..	2	..	0·45	28th
	May	S 14°E	..	67·4	54·8	87·6	..	103	24th	57·8	..	49	8th	45	..	0·9	0·10	..	0	..	0·05	3rd & 4th
	June	S 33°E	..	78·4	60·4	97·1	..	103	15th	69·4	..	59	4th & 5th	34	..	1·9	0·46	..	1	..	0·40	4th
	July	S 24°W	..	77·6	69·0	93·8	..	103	8th	72·1	..	66	4th	66	..	1·9	2·63	..	6	..	0·99	11th
	August	S 4°E	..	73·6	67·2	91·6	..	98	22nd	(a) 69·1	..	61	27th	74	..	1·1	0·62	..	4	..	0·16	1st
	September	S 18°W	..	65·3	55·7	91·8	..	97	2nd	60·6	..	53	30th	56	..	0	0·10	..	1	..	0·10	7th
	October	S 35°W	..	51·5	41·4	78·1	..	88	1st	45·5	..	34	30th & 31st	36	..	0·2	0	..	0	..	0	..
	November	S 62°W	..	36·0	30·3	68·6	..	72	1st	33·2	..	29	30th	52	..	0·4	0	..	0	..	0	..
	December	S 72°W	..	30·0	26·7	58·1	..	68	4th	25·3	..	15	30th	64	..	1·3	0·03	..	0	..	0·03	24th
	Year	..	..	54·3	..	78·3	..	103	..	49·1	..	15	..	..	..	1·3	8·52	..	24	..	0·99	..

(a) Mean of 30 days.

(b) Mean of 29 days.

MONTHLY AND ANNUAL TABLE D-4 FOR 1932—*contd.*

Abstract of 8 hrs. (local time) observations.

STATION.	Month.	Wind.		Temperature.										Humidity.		Cloud	Rainfall.					
				Mean 8 hrs.		Maximum.				Minimum.												
		Mean Direction at 8 hrs.	Mean velocity in miles per hour.	Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Date	Mean.	Departure from normal.	Lowest in month or year.	Date.	Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.	Date.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Matheran (Bombay) Deccan (2,460).	January																					
	February																					
	March																					
	April																					
	May	S 88°W	..	76·4	69·0	89·3	..	96	22	69·7	..	66	8 & 11	67	..	5·0	0·20	..	1	..	0·10	23
	June	N 89°W	..	70·9	70·3	76·3	..	82	3	67·5	..	61	17	96	..	9·1	15·52	..	20	..	2·05	23
	July	S 85°W	..	69·9	69·8	72·3	..	79	4 & 5	67·1	..	63	15	100	..	9·7	87·72	..	29	..	7·85	25
	August	W	..	70·3	69·3	74·5	..	83	24 & 31	67·4	..	64	20	95	..	8·4	39·00	..	23	..	3·77	1
	September	S 87°W	..	70·3	69·1	76·2	..	86	30	67·0	..	65	4 days	95	..	7·3	24·95	..	20	..	7·40	5
	October	S 66°E	..	72·6	68·5	81·4	..	87	8	68·6	..	65	20	81	..	6·2	13·12	..	14	..	2·37	22
	November	E	..	70·5	62·0	82·1	..	85	4 & 29	67·0	..	59	26	60	..	2·8	0·23	..	1	..	0·20	7
	December	S 86°E	..	67·4	57·9	81·2	..	85	1, 7 & 23	64·1	..	52	30	54	..	1·2	0·61	..	1	..	0·56	1
	Year	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Panchgani (Bombay) Deccan.	January	S 72°E	9·2	63·6	56·3	74·3	..	79	13, 28, & 31	58·2	..	54	3, 11 & 13	65	..	1·4	0	..	0	..	0	..
	February	N 63°E	5·6	63·6	50·6	77·3	..	88	3, 13 & 14	58·1	..	51	20	38	..	2·5	0	..	0	..	0	..
	March	N 67°E	0·6	73·6	55·7	84·0	..	88	5 days	64·0	..	60	1	29	..	0·6	0·11	..	1	..	0·11	25
	April	N 16°E	6·4	76·4	58·5	87·2	..	93	14	69·3	..	61	25	31	..	1·8	0·36	..	1	..	0·36	25
	May	N 17°W	4·2	75·7	63·3	87·5	..	93	18	68·2	..	63	1	49	..	1·5	1·98	..	7	..	0·60	18
	June	N 61°W	11·2	67·8	64·7	76·0	..	89	7	63·9	..	61	22	85	..	5·6	1·59	..	5	..	0·46	18
	July	S 52°W	18·1	65·5	64·7	69·3	..	81	3	63·6	..	61	15 & 26	95	..	9·8	25·85	..	25	..	2·09	15
	August	S 31°W	10·8	66·6	64·9	72·0	..	81	24	62·8	..	61	26	92	..	8·2	17·78	..	17	..	3·50	1 & 2
	September	S 56°W	9·9	66·1	64·4	71·7	..	79	28	62·8	..	60	22	92	..	7·0	18·09	..	10	..	4·02	7
	October	N 87°E	6·6	69·7	64·8	75·9	..	81	6	63·9	..	60	12	76	..	6·0	6·51	..	15	..	1·50	18
	November	S 81°E	6·6	65·6	57·8	74·6	..	79	18	59·6	..	55	13	61	..	5·5	0·62	..	5	..	0·14	18
	December	S 58°E	8·2	65·0	53·8	74·8	..	80	8	58·2	..	51	19	47	..	1·1	0	..	0	..	0	..
	Year	..	8·1	68·3	60·0	77·1	..	93	..	62·7	..	51	..	63	..	4·3	72·89	..	86	..	4·02	..
Bidar (Hyderabad Dn.).	January	S 51°E	5·4	66·2	57·3	81·1	—2·3	86	4 days.	(b) 60·6	+0·1	57	10 & 13	55	—5	1·8	0	—0·22	0	—0·4	0	..
	February	N 81°E	6·0	67·7	57·6	85·2	—3·2	89	3	62·9	—1·4	56	6	52	—3	2·5	0·20	—0·13	1	+0·3	0·15	19
	March	S 24°W	6·4	77·4	60·9	93·2	—1·9	99	31	70·6	+0·2	62	1	35	—12	1·5	0	—0·46	0	—1·1	0	..
	April	S 89°W	6·0	82·5	66·2	98·1	—1·0	101	8	76·6	+1·5	72	29	39	—8	5·7	0·33	—0·82	1	—1·5	0·25	29
	May	S 88°W	8·1	84·5	71·1	100·5	0	105	29	78·5	+1·3	73	23	50	—2	5·6	0·83	—0·08	4	+1·7	0·38	24
	June	S 81°W	12·5	77·3	71·1	93·0	+0·3	104	1	73·8	+1·5	68	25	74	—2	7·0	2·20	—2·77	4	—2·8	0·87	20
	July	S 71°W	14·5	72·6	70·2	88·0	—2·7	94	3	70·2	+1·3	67	15	88	+4	8·8	9·66	+0·97	14	+2·0	2·19	3
	August	S 69°W	8·2	74·6	71·1	84·9	+1·2	91	24	70·8	+2·9	68	11	84	—1	7·4	3·52	—3·67	8	—3·4	0·97	18
	September	S 87°W	8·3	73·2	69·9	83·8	—0·4	90	2	70·0	+2·0	67	11	84	+1	6·8	5·32	—4·57	8	—3·4	1·68	17
	October	N 67°E	(a) 4·4	76·2	69·3	87·0	+0·5	92	4	70·4	+2·8	67	18	69	0	5·8	3·55	+0·85	3	—0·7	2·80	18
	November	N 49°E	..	69·9	62·8	82·3	—1·0	89	5	65·8	+2·5	60	22 & 23	65	+2	5·1	1·70	+0·73	5	+3·5	0·57	27
	December	S 78°E	5·0	66·4	57·9	81·0	—0·4	85	29	60·6	+0·2	58	19	57	—4	2·5	0	—0·27	0	—0·6	0	..
	Year	..	..	74·0	65·5	87·8	—0·9	105	..	69·2	+1·2	56	..	63	—2	5·0	27·31	—10·44	48	—6·4	2·80	..

(a) Mean of 30 days.

(b) Mean of 29 days.

MONTHLY AND ANNUAL TABLE D-4 FOR 1932—*concld.*

Abstract of 8 hrs. (local time) observations.

STATION.	Month.	Wind.		Temperature.										Humidity.		Cloud.	Rainfall.					
		Mean Direction at 8 hrs.	Mean velocity in miles per hour.	Mean 8 hrs.		Maximum.				Minimum.				Mean 8 hrs.	Departure from normal.	Mean amount 8 hrs.	Total of the month or year.	Departure from normal.	Number of rainy days.	Departure from normal.	Heaviest fall in month or year.	Date.
				Dry bulb.	Wet bulb.	Mean.	Departure from normal.	Highest in month or year.	Date.	Mean.	Departure from normal.	Lowest in month or year.	Date.									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Jogimatti* (Mysore).	January	S 67°E	8·4	62·3	56·0	75·1	..	79	31st	56·1	..	53	4th	67	..	0·6	0	..	0		0	..
	February	N 38°W	7·7	67·6	58·3	81·9	..	84	29th	62·0	..	56	7th	56	..	0·6	0	..	0	..	0	..
	March	S 45°E	6·3	75·1	63·5	87·8	..	9	30th	65·6	..	61	7th	50	..	0·1	0	..	0	..	0	..
	April	N 61°W	7·5	76·3	65·1	91·8	..	95	10th	66·3	..	63	21st	55	..	0·7	0·01	..	0	..	0	..
	May	N 73°W	8·1	72·2	68·4	87·2	..	93	5th	67·0	..	65	24th	82	..	1·8	2·63	..	7	..	1·17	17th
	June	N 70°W	6·5	66·9	64·7	80·2	..	86	1st	63·7	..	61	20th	89	..	6·6	0·95	..	4	..	0·34	25th
	July	N 76°W	7·6	65·7	64·7	73·6	..	84	2nd	64·0	..	63	9th	95	..	9·7	4·50	..	10	..	0·91	4th
	August	N 47°W	6·1	67·8	65·5	76·2	..	81	17th & 27th	63·9	..	62	18th	88	..	5·5	11·10	..	16	..	2·15	19th
	September	N 69°W	8·5	66·4	64·8	75·0	..	81	30th	63·6	..	62	25th, 26th & 28th	92	..	6·7	3·02	..	6	..	1·74	2nd
	October	S 63°E	8·5	69·3	66·7	77·7	..	84	11th	64·5	..	62	13th	87	..	3·1	8·11	..	13	..	1·48	27th
	November	S 75°E	8·3	69·2	65·5	74·9	..	79	22nd	61·9	..	56	30th	82	..	6·1	8·29	..	9	..	1·84	4th
	December	S 72°E	8·2	65·9	60·9	75·6	..	80	29th	56·7	..	54	20th	74	..	1·2	0	..	0	..	0	..
	Year	..	7·6	68·7	63·7	79·7	..	95	..	62·9	..	53	..	76	..	3·6	38·61	..	65	..	2·15	..
Chumbi (Yatung) (Sikkim).	January	..	..	23·5	23·0	44·4	..	54	6th	20·1	..	15	4th, 5th & 23rd	95	+16	3·5	0·90	+0·24	6	+4·1	0·27	23rd
	February	..	..	24·2	..	42·6	..	51	8th	20·1	..	15	9th & 26th	..	..	3·6	0·52	—1·28	3	—0·4	0·13	26th
	March	..	..	28·4	..	53·0	..	61	27th	24·9	..	20	1st	..	..	2·8	1·90	—0·44	7	+0·6	0·53	25th
	April	..	..	36·1	(b) 35·4	60·3	+4·5	66	10th	32·6	—2·7	28	1st	(b) 92	+5	3·6	3·50	—0·99	8	—2·9	1·00	20th
	May	..	..	42·2	41·3	61·9	+2·1	67	21st	38·5	—4·2	32	3rd & 8th	93	+6	4·0	6·26	+1·39	11	—0·6	1·50	25th
	June	..	..	53·7	52·9	66·1	+2·7	72	12th	49·7	+0·5	42	3rd	94	+4	5·1	4·19	—2·58	12	—3·4	0·70	24th
	July	..	..	52·6	51·8	68·1	+3·6	72	21st	48·7	—2·9	44	11th	94	+3	4·8	3·52	—3·90	12	—7·4	0·60	22nd
	August	..	..	54·4	53·0	66·8	+3·0	73	5th	50·3	—0·7	45	15th	92	+2	5·2	1·76	—5·86	8	—11·7	0·35	13th
	September	..	..	54·6	52·3	64·7	+2·3	69	22nd	47·9	+0·5	40	30th	86	—4	4·8	2·27	—2·80	11	—0·9	0·36	5th
	October	..	..	47·8	44·9	59·9	+2·0	66	1st	39·9	+2·6	30	17th	82	—6	5·1	0·87	—1·06	2	—1·8	0·44	24th
	November	..	..	36·1	35·3	54·8	+3·0	61	4th	31·0	+2·5	21	30th	91	+7	3·5	1·87	+1·63	2	+1·4	0·99	5th
	December	..	..	25·9	25·1	47·5	+2·0	55	20th	21·0	—1·5	16	28th	88	+7	2·9	0·41	+0·26	1	+0·4	0·41	25th
	Year	..	..	40·0	..	57·5	+2·2	73	..	35·4	—1·0	15	..	..	..	4·1	27·97	—14·93	83	—22·6	1·50	..
Abbadan (Persia) 9 hrs. Observations.	January	N 55°W	5·5	53·5	40·0	63·9	..	77	23rd	45·7	..	31	8th	70	..	5·2	0·83	..	3	..	0·32	28th
	February	S 89°E	7·8	56·6	48·4	68·8	..	83	19th	45·6		27	10th	51	..	1·6	0	..	0	..	0	..
	March	N 78°W	7·2	68·2	56·1	79·8	..	91	22nd	55·7	..	47	5th	42	..	3·8	0·31	..	1	..	0·20	16th
	April	S 59°W	9·1	78·3	58·4	88·8	..	99	9th	61·0	..	51	14th	23	..	2·1	0·01	..	0	..	0·01	21st
	May	N 59°W	10·2	90·2	64·3	99·9	..	111	18th & 31st	71·3	..	61	4th	18	..	2·2	0·25	..	1	..	0·17	19th
	June	N 77°W	10·5	97·6	68·1	110·2	..	117	22nd	78·4	..	69	20th	16	..	0	0	..	0	..	0	..
	July	N 70°W	11·8	97·0	68·0	108·4	..	112	5 days	82·4	..	73	16th	17	..	0·2	0	..	0	..	0	..
	August	S 80°W	7·5	97·7	72·2	111·6	..	117	25th	80·5	..	71	30th	25	..	0·3	0	..	0	..	0	..
	September	S 87°W	7·4	88·5	68·0	102·9	..	110	2nd	71·3	..	61	24th	30	..	0	0	..	0	..	0	..
	October	S 89°W	4·8	81·7	62·5	96·9	..	103	5th, 6th & 7th	62·3	..	56	23rd & 31st	29	..	0·6	0	..	0	..	0	..
	November	N 63°W	6·5	68·0	58·2	81·3	..	97	1st & 3rd	54·2	..	33	30th	51	..	3·0	0·11	..	2	..	0·10	19th
	December	S 81°W	5·6	51·5	46·7	62·6	..	77	8th	39·8	..	29	2nd	66	..	2·4	0·84	..	5	..	0·28	29th
	Year	..	7·8	77·4	60·0	89·6	..	117	..	62·3	..	27	..	37	..	1·7	2·35	..	12	..	0·32	..

(b) Mean of 29 days.

* Data supplied by the Meteorological Reporter to the Government of Mysore.

Table D-5.—Abstract of observations taken at 8 hrs. (local time) at 28 fifth class stations, in the year 1932.

ANNUAL TABLE D-5.

Abstract of 8 hrs. (Local Time) Observations.

Station. 1	Number of rainy days. 2	Departure from normal. 3	Rainfall of year. 4	Departure from normal. 5	Heaviest rainfall during year. 6
BENGAL—					
Comilla	86	—14·2	67·68	—22·63	3·40
Faridpur	97	+3·7	65·42	—6·30	4·10
Krishnagar	75	—3·2	52·67	—5·73	5·39
Bankura	72	—2·3	43·75	—13·25	2·66
Rampur Boalia	71	—3·6	38·39	—17·71	2·38
Sirajganj	85	+2·2	65·22	+0·83	3·76
Malda	66	—2·9	53·47	—2·63	4·40
Rangpur	89	+5·8	82·94	+0·91	4·87
Cooch Behar	112	+7·1	155·07	+8·06	10·32
CHOTA NAGPUR—					
Hazaribagh	68	—7·2	41·53	—11·75	2·29
BIHAR—					
Muzaffarpur	40	—16·9	38·54	—10·31	5·85
Chapra	36	—17·7	19·98	—24·44	2·10
Arrah	48	—8·3	35·71	—9·91	4·21
Dehri	46	—8·8	27·41	—15·06	2·50

Station. 1	Number of rainy days. 2	Departure from normal. 3	Rainfall of year. 4	Departure from normal. 5	Heaviest rainfall during year. 6
UNITED PROVINCES WEST—					
Meerut	36	—2·5	36·86	+4·90	6·06
KASHMIR—					
Sonamarg	88	—17·5	53·92	—17·47	3·61
BALUCHISTAN—					
Harnai	26	+2·1	16·26	+2·92	2·25
RAJPUTANA EAST—					
Udaipur	26	—6·7	17·00	—6·78	1·91
HYDERABAD NORTH—					
Parbhani	54	+9·3	28·77	—4·20	1·84
MADRAS, SOUTH EAST—					
Palamcottah	33	—8·3	28·64	+0·30	2·65
MADRAS DECCAN—					
Anantapur	36	+0·9	27·84	+2·80	4·35
HILL STATIONS EXCLUDING KASHMIR AND BALUCHISTAN—					
DHARAMPUR	68	..	72·75	..	5·15
Dalhousie	91	+3·1	75·91	—8·59	3·66

MONTHLY AND ANNUAL TABLE D-5.

Abstract of 8 hrs. (Local Time) Observations.

Station.	Elements.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Year.
Gnatong (Sikkim).	Number of rainy days	8	14	5	14	27	30	28	28	24	11	4	2	195
	Departure from normal	+5·1	+6·1	—5·9	—1·7	+4·0	+4·3	—1·4	0	+2·1	+6·2	+0·6	—0·3	+13·1
	Rainfall of month	1·75	3·60	1·20	5·90	14·80	29·60	16·55	26·95	14·65	5·30	5·20	0·25	125·75
	Departure from normal	—0·01	—1·60	—5·02	—3·80	—2·14	+3·53	—16·88	+0·98	+1·08	+0·02	+2·64	—0·53	—21·73
	Heaviest rainfall during month.	0·45	0·50	0·45	1·50	1·30	3·10	1·90	5·10	1·60	1·70	2·15	0·10	5·10
	Date	25	6	19	27	24	14	14	23	15	2	4	7·13	..
Lachung (Sikkim).	Number of rainy days	7	5	5	15	23	28	19	20	19	11	5	1	158
	Departure from normal	+4·1	—2·6	—7·1	+0·2	+7·0	+5·6	—6·4	—4·8	—0·9	+1·2	+1·5	—0·9	—3·1
	Rainfall of month	3·19	1·16	2·51	5·75	11·49	13·78	6·52	8·53	6·91	3·13	3·02	0·68	66·67
	Departure from normal	+2·45	—1·69	—2·88	—0·67	+5·49	+3·94	—3·64	—1·19	—0·63	—0·86	+1·36	+0·06	+1·74
	Heaviest rainfall during month.	0·71	0·16	1·40	0·90	1·20	+2·25	0·68	1·28	1·10	0·74	1·31	0·43	2·25
	Date	17	16	29	26	1	15	2	26	18	3	4	25	..
Bakloh (Punjab).	Number of rainy days	2	4	6	2	3	5	19	26	2	0	0	5	74
	Departure from normal	..	..	..	..	..	..	..	..	..	..	..	..	..
	Rainfall of month	3·72	2·90	3·73	0·42	1·59	1·07	33·24	35·46	0·40	0	0	3·33	85·84
	Departure from normal	..	..	..	..	..	..	..	..	..	..	..	..	..
	Heaviest rainfall during month.	2·58	1·32	1·00	0·30	0·86	0·55	4·10	4·24	0·20	0	0	2·48	4·24
	Date	10	1	12	18	26	22	16	20	16	..	..	24	..
Kyelang (Punjab).	Number of rainy days	4	4	5	1	11	2	4	2	4	1	1	3	42
	Departure from normal	—1·6	—1·9	—2·8	—5·4	+5·6	—0·6	—0·2	—1·9	+1·3	—0·2	+0·1	+0·4	—7·2
	Rainfall of month	1·48	1·26	2·59	0·44	2·75	0·43	1·20	0·70	1·91	0·23	0·40	1·34	14·73
	Departure from normal	—1·38	—1·43	—1·46	—2·95	+0·45	—0·60	—0·19	—1·22	+0·05	—0·48	+0·05	+0·32	—8·38
	Heaviest rainfall during month.	0·57	0·71	0·83	0·29	0·40	0·12	0·42	0·24	0·60	0·18	0·40	1·00	1·00
	Date	10	14	12	17	7	3, 23	25	26	26	22	3	24	..
Pishin (Baluchistan).	Number of rainy days	4	2	5	1	1	0	9	1	0	0	0	1	24
	Departure from normal	—0·1	—1·7	+0·2	—1·2	+0·4	—0·1	+8·6	+0·6	—0·1	—0·4	—0·8	—1·9	+3·5
	Rainfall of month	0·99	1·37	2·64	0·66	0·50	0	2·63	0·56	0	0	0	0·35	9·70
	Departure from normal	—0·86	—0·37	+0·54	—0·16	+0·31	—0·03	+2·54	+0·36	—0·02	—0·17	—0·25	—0·93	+0·96
	Heaviest rainfall during month.	0·36	0·99	1·08	0·55	0·50	0	0·66	0·50	0	0	0	0·22	1·08
	Date	7	29	27	28	11	..	14	11	..	..	..	22	..

APPENDIX.

Climatic Tables of Kodaikanal and Madras for 1932 and tables of extra observations taken during the year at Bombay and Trivandrum.

TABLE I.

Kodaikanal mean hourly wind velocity for the year 1932.

Month.	Hours (local time).																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Midt.
January	6	6	6	6	6	6	6	6	6	7	7	7	6	5	5	4	3	3	3	5	5	6	6	6
February	4	4	4	4	4	3	3	3	3	3	3	3	4	3	3	3	3	2	2	2	3	3	3	4
March	5	5	6	6	5	5	6	6	6	7	7	7	7	6	6	5	5	4	3	3	4	4	4	5
April	5	4	4	4	4	4	5	4	5	6	6	6	6	5	5	5	4	3	4	4	4	4	3	4
May	7	6	7	6	6	6	6	6	5	5	6	5	6	5	6	6	5	5	4	5	5	6	5	6
June	6	7	8	8	7	7	7	6	6	6	5	6	5	5	5	5	5	5	5	5	6	6	6	6
July	11	11	11	11	11	11	11	10	10	10	9	9	9	8	8	9	9	10	10	10	11	11	11	11
August	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	5	5
September	8	9	10	9	8	8	9	8	8	7	7	7	8	7	6	6	7	7	8	8	9	8	8	9
October	5	5	5	4	4	5	5	4	4	4	4	4	4	4	4	3	3	3	3	4	4	4	5	5
November	7	7	6	7	6	6	6	6	6	6	7	7	7	6	6	6	5	5	5	5	6	6	6	7
December	7	7	7	7	8	7	8	8	8	8	8	9	8	8	8	7	6	6	6	7	8	8	8	7
Mean	6	6	7	7	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	6	6	6	6

TABLE II.

Kodaikanal mean hourly bright sunshine for the year 1932.

Month.	Hours (local time).											
	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18
January	0·02	0·34	0·77	0·84	0·91	0·92	0·94	0·90	0·86	0·87	0·83	0·53
February	0·15	0·88	0·95	0·93	0·91	0·81	0·68	0·64	0·52	0·48	0·41	0·20
March	0·33	0·88	0·93	0·94	0·97	0·91	0·80	0·76	0·68	0·65	0·57	0·50
April	0·41	0·82	0·93	0·98	0·98	0·93	0·80	0·54	0·50	0·41	0·39	0·26
May	0·18	0·54	0·62	0·60	0·60	0·64	0·50	0·44	0·33	0·18	0·10	0·09
June	0·16	0·66	0·83	0·78	0·75	0·70	0·67	0·63	0·52	0·36	0·30	0·11
July	0·05	0·26	0·47	0·54	0·51	0·44	0·40	0·28	0·23	0·21	0·16	0·08
August	0·10	0·47	0·71	0·64	0·62	0·55	0·42	0·41	0·33	0·29	0·15	0·07
September	0·20	0·60	0·66	0·67	0·71	0·62	0·45	0·35	0·29	0·23	0·25	0·19
October	0·04	0·31	0·43	0·49	0·51	0·39	0·30	0·18	0·12	0·15	0·04	—
November	0·03	0·30	0·50	0·59	0·65	0·55	0·49	0·42	0·39	0·33	0·28	0·08
December	—	0·28	0·70	0·76	0·75	0·67	0·63	0·66	0·62	0·60	0·50	0·26
Mean	0·14	0·53	0·71	0·73	0·74	0·68	0·59	0·52	0·45	0·40	0·33	0·20

TABLE III.

Number of days in each month on which the Nilgiris were visible in 1932.

Month.	Very clear.	Visible.	Just visible.	Tops only visible.	TOTAL.
January	3	18	..	..	21
February	..	5	2	..	7
March	..	5	1	..	6
April	..	..	..	..	..
May	..	4	..	..	4
June	2	7	..	..	9
July	..	3	..	..	3
August	..	1	..	..	1
September	..	7	..	..	7
October	2	8	..	1	11
November	..	5	..	8	13
December	..	15	2	..	17
TOTAL	7	78	5	9	99

TABLE IV.

Mean hourly wind velocity recorded by the Dine's Pressure Tube Anemometer at the Madras Harbour for the year 1932.

Month.	M.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL.
January	11	10	9	9	9	8	8	7	8	9	10	11	11	11	11	11	11	11	11	11	12	11	11	11	242
February	8	8	7	7	6	6	6	6	5	5	7	7	8	9	9	9	10	10	10	10	9	10	10	9	191
March	7	6	6	5	5	5	5	5	4	5	6	7	9	10	10	10	10	10	10	9	9	9	9	8	179
April	7	7	6	5	5	5	5	6	7	8	8	9	11	11	11	11	10	10	10	10	9	9	9	8	197
May	9	8	8	8	8	8	8	8	8	9	10	10	12	12	13	13	13	13	12	11	11	11	10	10	243
June	10	10	11	10	11	11	11	11	12	13	12	12	12	11	11	11	10	10	10	10	11	11	11	10	262
July	10	9	9	9	9	9	9	9	10	12	13	13	14	13	13	13	12	11	10	10	12	10	10	10	259
August	8	8	7	7	7	7	6	6	7	7	8	8	9	10	10	10	9	9	9	8	9	9	8	8	194
September	8	8	7	7	7	7	7	7	8	9	10	10	10	10	10	10	9	9	10	10	10	10	9	9	211
October	7	6	6	6	6	6	5	5	5	5	6	8	8	8	9	9	8	8	8	8	7	7	7	7	165
November	9	8	8	8	8	8	7	7	7	8	9	9	9	10	10	10	10	10	11	11	11	10	10	10	218
December	9	9	9	8	8	8	8	7	8	9	10	10	11	11	11	11	11	11	11	10	10	10	10	9	229
Annual	9	8	8	7	7	7	7	7	7	8	9	10	10	11	11	11	10	10	10	10	10	10	10	9	216

TABLE V.

Monthly mean values of meteorological elements derived from hourly tabulations of autographic records at the Bombay Observatory in the year 1932.

Month.	Barometric pressure* reduced to 32°F.	Air temperature.	Relative Humidity.	Vapour pressure (in inches of mercury).
	In.	°F	%	In.
January	30·006	76·7	69	·637
February	29·926	76·0	65	·583
March	·883	80·3	69	·709
April	·843	82·6	73	·811
May	·743	85·3	74	·897
June	·712	84·2	77	·896
July	·619	81·0	86	·905
August	·738	81·3	83	·882
September	·745	81·5	82	·877
October	·811	83·0	79	·894
November	·876	80·5	68	·708
December	·955	77·1	68	·633
Year	29·821	80·8	74	·785

* Reduced to Calcutta H standard.

TABLE VI.

Monthly means of Meteorological elements at Trivandrum for 1932.

Month.	Newman's Barometer reduced to 32° F. 20 hrs.	Dry Bulb Thermometer. 20 hrs.	Wet Bulb Thermometer. 20 hrs.	Vapour Pressure. 20 hrs.	Humidity. 20 hrs.	Cloud. 20 hrs.	Hrs. of bright sunshine.	Maximum in sun.	Maximum in shade.	Minimum in shade.	Average velocity.	Frequency of wind directions at 20 hrs. C.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW	N.	Total.
January	29·780	80·1	73·8	·745	72	4·0	9·2	Observations not recorded.	86·2	72·3	98·9	17	0	0	0	0	0	0	0	0	0	3	1	3	0	7	0	0	31
February	·745	80·1	75·6	·812	78	3·0	9·3		85·4	73·7	108·8	17	0	0	0	0	0	0	0	0	0	0	0	5	1	6	0	0	29
March	·713	82·6	76·4	·822	74	3·6	9·1		87·8	76·0	89·5	22	0	0	0	0	0	1	0	0	0	2	2	3	0	0	1	0	31
April	·697	82·6	77·8	·884	78	5·7	8·2		87·9	78·4	150·2	11	0	1	0	0	0	0	0	0	0	0	0	5	3	8	0	2	30
May	·621	80·8	77·5	·902	82	8·7	4·2		85·6	77·9	179·3	10	0	1	0	0	0	0	0	0	0	0	0	11	2	4	0	3	31
June	·673	79·9	76·7	·875	85	6·5	7·3		84·8	77·1	209·3	3	0	0	0	0	0	0	0	0	0	0	0	8	5	13	1	0	30
July	·654	78·9	75·9	·844	81	6·9	4·5		83·1	75·4	222·5	6	0	0	0	0	0	0	0	0	0	0	2	0	2	18	0	3	31
August	·652	79·1	75·9	·854	86	7·7	6·1		84·1	75·7	170·6	8	0	0	0	0	0	0	0	0	0	0	0	4	4	9	0	6	31
September	·697	79·6	76·3	·859	85	4·4	7·3		83·9	76·2	202·4	4	0	0	0	0	0	0	0	0	0	0	1	15	6	3	1	0	30
October	·697	78·2	75·2	·847	88	7·7	4·0		82·7	75·1	133·8	7	0	1	0	1	0	3	0	0	0	2	0	2	3	8	2	2	31
November	·713	77·7	74·8	·821	86	6·2	6·4		83·3	74·0	118·5	13	0	0	0	0	0	0	0	0	0	0	0	2	0	9	1	5	30
December	·758	79·0	74·2	·781	79	4·0	8·2		85·2	73·5	92·3	12	0	4	1	1	0	0	0	0	0	1	3	3	0	2	2	2	31

MGIPC—S2—VIII-3-51—14-11-33—990.

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1932

PART E.

SEISMIC RECORDS.

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Published by Authority of the Government of India

UNDER THE DIRECTION OF

S. K. BANERJI, D.Sc.,

Offg. *Director General of Observatories.*

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ANNUAL SUMMARY, 1932.

PART E.

SEISMIC RECORDS.

STATION—AGRA.

$\varphi = 27° 8' 15''$ N ; λ 78° 0′ 45″ E ; h=163 metres. *Subsoil*—Indo-Gangetic Alluvium.

Apparatus.—One Omori-Ewing Horizontal Pendulum Seismograph giving A_N (Mass 50 Kg.).

One Milne-Shaw Seismograph giving A_E. (Damping ratio 20 : 1).

TABLE E 1.

	V	To	
Omori—A_N	28·0	29·4	
Milne-Shaw—A_E	250	12	From 1st January 1932 to 8th January 1932.
	630	12	From 15th January 1932 to 12th April 1932.
	773	12	From 14th April 1932 to 22nd August 1932.
	783	12	From 25th August 1932 to 31st December 1932.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
	A_E					
Jan. 3rd	P	7 54 9*	...	...	...	Slight shock.
	S	7 57 42*	...	...	...	
	Le	7 59 27*	...	...	...	
	M	8 2 45*	15	...	13	
	F	8 37 12*	...	...	...	
	A_N					
,, 4th	e	11 54 48*	...	...	...	Do.
	eS	11 56 10*	...	...	...	
	Fe	12 18 35*	...	...	...	
	A_N					
,, 5th	Pe	5 29 11*	...	...	...	Do.
	Se	5 31 47*	...	...	...	
	Le	5 32 42*	...	...	...	
	Fe	5 40 15*	...	...	...	
	A_N					
,, 9th	P	10 33 25*	...	...	...	Do.
	Si	10 42 59*	...	...	...	
	eL	10 57 25*	...	...	...	
	Fe	12 21 13*	...	...	...	
	A_E					
,, 13th	P	16 38 30*	...	...	...	Do.
	Se	16 45 45*	...	...	...	
	L	16 55 37*	...	...	...	
	F	17 45 30*	...	...	...	
	A_E					
,, 24th	P	3 57 27	...	...	...	Do.
	Si	4 8 29	...	...	...	
	L	4 31 3	...	...	...	
	A_N					
,, 24th	e	4 8 25	...	...	...	Do.
	Fe	5 34 8	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
	A_E					
Jan. 24th	P	8 44 37	...	...	...	Slight shock.
	Fe	9 4 37	...	...	...	
	A_N					
,, 24th	eP	8 44 39	...	...	...	Do.
	Se	8 45 52	...	...	...	
	Le	8 46 17	...	...	...	
	Fe	8 54 57	...	...	...	
	A_E					
,, 29th	iP	13 53 30	...	...	...	Moderate shock.
	Fe	17 29 12	...	...	...	
	A_N					
,, 29th	P	13 53 45	...	...	...	Do.
	iS	14 3 40	...	...	...	
	Fe	17 20 58	...	...	...	
	A_E					
,, 30th	P	3 17 12	...	...	...	Slight shock.
	Si	3 27 20	...	...	...	
	eF	4 48 36	...	...	...	
	A_E					
,, 31st	e	12 16 58	...	...	...	Do.
	F	12 42 48	...	...	...	
	A_E					
,, 31st	P	16 13 29	...	...	...	Do.
	S	16 23 41	...	...	...	
	Fe	17 32 42	...	...	...	
	A_E					
,, 31st	e	21 46 45	...	...	...	Feeble shock.
	F	22 10 41	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
	A_E					
Feb. 3rd	P	6 37 5	...	...	...	Distant moderate shock.
	eS	6 50 35	...	...	...	
	Le	7 30 48	...	...	...	
	M	7 37 35	21	...	14	
	Fe	9 0 9	...	...	...	
	A_N					
,, 3rd	e	6 37 16	...	...	...	Slight shock.
	Fe	8 39 48	...	...	...	
	A_E					
,, 5th	iP	13 47 19	...	...	...	Do.
	S	13 50 15	...	...	...	
	Fe	14 39 3	...	...	...	
	A_N					
,, 5th	eP	13 47 28	...	...	...	Do.
	S	13 50 15	...	...	...	
	Le	13 51 27	...	...	...	
	F	14 16 48	...	...	...	
	A_E					
,, 6th	e	5 49 58	...	...	...	Do.
	F	6 23 23	...	...	...	
	A_E					
,, 11th	P	11 54 16	...	...	...	Do.
	F	12 51 44	...	...	...	
	A_E					
,, 12th	iP	1 3 45	...	...	...	Moderate shock.
	S	1 8 14	...	...	...	
	A_N					
,, 12th	eP	1 3 50	...	...	...	Do.
	S	1 8 20	...	...	...	
	Le	1 11 2	...	...	...	
	F	Lost while changing drum.				

* Uncertain by ± 30 seconds. Time interval between phases of the same record is, however, accurate.

TABLE E 1—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
Feb. 14th	A_E e	20 33 11	...	...	...	Feeble shock.
	F	20 47 58	...	...	...	
„ 14th	A_E P	23 21 55	...	...	...	Moderate shock.
	S	23 28 38	...	...	...	
	L	23 34 56	...	...	...	
	F	Lost in shifting time.				
„ 14th	A_N P	23 22 12	...	...	...	Slight shock.
	S	23 28 50	...	...	...	
	Le	23 34 48	...	...	...	
„ 15th	F	0 18 50	...	...	...	
„ 15th	A_E e	9 49 10	...	...	...	Feeble shock.
	F	10 9 48	...	...	...	
„ 16th	A_E eP	14 7 48	...	...	...	Slight shock.
	Se	14 17 12	...	...	...	
	F	16 22 59	...	...	...	
„ 21st	A_E e	12 50 31	...	...	...	Feeble shock
	F	Mixed up with the next shock.				
„ 21st	A_E e	13 26 47	...	...	...	Slight shock
	L	13 33 56	...	...	...	
	M	13 36 33	17	...	10	
	F	Mixed up with the next shock				
„ 21st	A_E e	14 21 30	...	...	...	Tremors.
	F	14 37 9	...	...	...	
„ 23rd	A_E P	0 33 0	...	...	...	Distant moderate shock.
	Si	0 42 24	...	...	...	
	Li	0 59 8	...	...	...	
	M	1 2 15	25	...	33	
„ 23rd	A_N P	0 33 3	...	...	...	Slight shock.
	S	0 42 32	...	...	...	
	Le	0 59 16	...	...	...	
	F	Lost while changing drum.				
„ 23rd	A_E e	20 24 20	...	...	...	Do.
	S	20 34 33	...	...	...	
	Le	20 54 17	...	...	...	
	F	21 50 41	...	...	...	
„ 29th	A_E Pe	22 59 6	...	...	...	Tremors.
	Fe	23 8 3	...	...	...	
Mar. 4th	A_E iP	23 28 31	...	...	...	Slight shock.
„ 5th	A_E Fe	0 15 12	...	...	...	
1932.		H. M. S.				
Mar. 4th	A_N P	23 22 31	...	...	...	Slight shock.
	S	23 23 48	...	...	...	
	Li	23 24 37	...	...	...	
	F	23 56 4	...	...	...	
„ 6th	A_E i P	0 20 56*	...	...	...	Do.
	F	1 1 5*	...	...	...	
„ 6th	A_E P	21 47 17*	...	...	...	Do.
	iS	21 50 51*	...	...	...	
	L	21 52 41*	...	...	...	
	Fe	22 25 28*	...	...	...	
„ 7th	A_E e	2 52 56*	...	...	...	Very feeble shock.
	eL	2 55 24*	...	...	...	
	F	3 4 26*	...	...	...	
„ 8th	A_E e	3 22 52*	...	...	...	Slight shock.
	S	3 32 58*	...	...	...	
	F	Mixed up with the next shock.				
„ 8th	A_E P	4 40 58*	...	...	...	Do.
	S	4 50 40*	...	...	...	
	Le	5 9 57*	...	...	...	
	F	5 58 46*	...	...	...	
„ 8th	A_E e	18 18 56*	...	...	...	Feeble shock.
	F	20 24 39*	...	...	...	
„ 14th	A_E e	23 2 11	...	...	...	Slight shock.
	F	Lost in shifting time.				
„ 15th	A_E P	4 42 48	...	...	...	Do.
	eS	4 51 24	...	...	...	
	Fe	6 27 15	...	...	...	
„ 15th	A_E e	6 40 47	...	...	...	Feeble shock.
	eF	7 4 32	...	...	...	
„ 15th	A_E e	7 55 35	...	...	...	Tremors.
	F	8 28 43	...	...	...	
„ 15th	A_E P	10 23 42	...	...	...	Slight shock.
	S	10 28 30	...	...	...	
	eL	10 33 14	...	...	...	
	M	10 35 58	12	...	4	
	Fe	11 1 15	...	...	...	
„ 16th	A_E e	6 18 50	...	...	...	Tremors.
	F	6 24 31	...	...	...	
1932.		H. M. S.				
Mar. 18th	A_E P	5 24 44	...	...	...	Slight shock.
	Si	5 31 27	...	...	...	
	eL	5 37 27	...	...	...	
	F	7 6 42	...	...	...	
„ 19th	A_E P	11 10 20	...	...	...	Do.
	S	11 18 53	...	...	...	
	eF	14 0 58	...	...	...	
„ 19th	A_E P	23 21 50	...	...	...	Very feeble shock.
	eS	43 30 54	...	...	...	
„ 20th	Fe	0 56 17	...	...	...	
„ 24th	A_E iP	16 11 14	...	...	...	Slight shock.
	Fe	17 55 27	...	...	...	
„ 24th	A_N P	16 11 21	...	...	...	Do.
	S	16 13 27	...	...	...	
	eL	16 14 52	...	...	...	
„ 25th	A_E P	4 31 45	...	...	...	Do.
	Fe	5 4 22	...	...	...	
„ 25th	A_N P	4 31 48	...	...	...	Do.
	S	4 33 33	...	...	...	
	Le	4 34 4	...	...	...	
	Fe	4 46 57	...	...	...	
„ 26th	A_E P	0 7 3	...	...	...	Shock of great intensity.
	S	0 17 13	...	...	...	
	L	0 36 36	...	...	...	
	F	3 35 2	...	...	...	
„ 26th	A_N e	0 10 47	...	...	...	Moderate shock.
	M	0 49 44	24	105	...	
	F	2 44 15	...	...	...	
„ 26th	A_E P	7 14 34	...	...	...	Slight shock.
	S	7 19 21	...	...	...	
	L	7 22 41	...	...	...	
	F	8 14 59	...	...	...	
„ 26th	A_N e	7 14 37	...	...	...	Feeble shock.
	eF	8 3 13	...	...	...	
„ 26th	A_E iP	10 2 5	...	...	...	Moderate shock.
	F	13 13 25	...	...	...	
„ 26th	A_N Pe	10 2 7	...	...	...	Do.
	Si	10 10 6	...	...	...	
	Le	10 22 0	...	...	...	
	M	10 28 27	...	89	...	
	F	11 29 4	...	...	...	

*Uncertain by ± 30 seconds. Time interval between phases of the same record is, however, accurate.

TABLE E 1—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
Mar. 27th	A_E iP	8 47 36	...	...	...	Slight shock.
	S	8 50 2	...	...	...	
	F	9 32 12	...	...	...	
,, 27th	A_N S	8 50 3	...	...	...	Do.
	L	8 51 51	...	...	...	
,, 28th	A_E iP	0 43 12	...	...	...	Moderate shock.
	S	0 49 22	...	...	...	
	F	3 7 12	...	...	...	
,, 30th	A_E Le	15 13 47	...	...	...	Tremors.
	Fe	16 16 32	...	...	...	
April 3rd	A_E e	20 58 32	...	...	...	Feeble shock.
	F	23 7 20	...	...	...	
,, 4th	A_E iP	19 25 8	...	...	...	Slight shock.
	eS	19 34 9	...	...	...	
	L	19 46 58	...	...	...	
	M	19 50 5	14	...	7	
	F	21 2 43	...	...	...	
,, 6th	A_E P	9 17 46	...	...	...	Feeble shock.
	S	9 22 56	...	...	...	
	F	10 16 8	...	...	...	
,, 18th	A_E e	11 26 27	...	...	...	Slight shock.
	F	12 54 58	...	...	...	
,, 20th	A_E e	20 11 28	...	...	...	Very feeble shock.
	Fe	20 27 41	...	...	...	
,, 22nd	A_E P	5 5 38	...	...	...	Slight shock.
	Fe	6 53 54	...	...	...	
,, 29th	A_E P	17 39 32	...	...	...	Feeble shock.
	eS	17 46 26	...	...	...	
	F	18 28 54	...	...	...	
,, 29th	A_E P	18 30 24	...	...	...	Slight shock.
	S	18 40 7	...	...	...	
	F	19 51 42	...	...	...	
,, 30th	A_E P	10 56 20	...	...	...	Do.
	F	11 20 47	...	...	...	
May 11th	A_E P	7 3 2	...	...	...	Very feeble shock.
	S	7 10 38	...	...	...	
	F	8 3 42	...	...	...	
1932.		H. M. S.				
May 12th	A_E e	20 9 55	...	...	...	Tremors.
	F	20 16 22	...	...	...	
,, 14th	A_E iP	13 20 18	..	...	...	Shock of very great intensity.
,, 14th	A_N P	13 20 22	...	...	...	Do.
	iS	13 27 41	...	...	...	
	M	?	15	827	...	Motion of recording pen restricted due to side-stops at intervals for about 25 minutes.
	Fe	17 4 59	...	...	...	
,, 17th	A_E e	13 3 35	...	...	...	Tremors.
	F	13 41 5	...	...	...	
,, 18th	A_E eP	19 5 19	...	...	...	Slight shock.
	eS	19 14 49	...	...	...	
	L	Uncertain	...	...	...	
	M	19 42 18	18	...	5	
	eF	21 7 50	...	...	...	
,, 21st	A_N eP	10 30 45	...	...	...	Distant moderate shock.
	S	10 44 36	...	...	...	
	Fe	12 59 45	...	...	...	
,, 26th	A_N e	16 33 1	...	...	...	Do.
	F	19 0 53	...	...	...	
June 3rd	A_N Pe	10 56 18	...	...	...	Shock of very great intensity.
	Se	11 9 26	...	...	...	
	L	11 41 16	...	...	...	
	M	?	?	7843	...	Motion of recording pen restricted due to side-stops for about 11½ minutes.
	F	15 34 58	...	...	...	
,, 5th	A_E e	12 45 30	...	...	...	Tremors.
	F	12 52 43	...	...	...	
,, 13th	A_N e	21 9 48	...	...	...	Slight shock.
	eF	22 10 17	...	...	...	
,, 14th	A_E P	11 29 21	...	...	...	Do.
	S	11 37 10	...	...	...	
	L	11 49 54	...	...	...	
	M	11 52 55	9	...	3	
	F	12 20 27	...	...	...	
1932.		H. M. S.				
June 16th	A_E P	1 24 55	...	...	...	Moderate shock.
	iS	1 29 48	...	...	...	
	F	3 14 22	...	...	...	
,, 16th	A_N P	1 24 58	...	...	...	Slight shock.
	Si	1 29 56	...	...	...	
	F	2 26 42	...	...	...	
,, 18th	A_N P	10 31 54	...	...	...	Shock of great intensity.
	Se	10 44 36	...	...	...	
	M	11 37 14 (?)	12 (?)	7843	...	Motion of recording pen restricted due to side-stops for about one minute.
	F	14 11 18	...	...	...	
,, 21st	A_E e	23 11 7	...	...	...	Tremors.
	F	23 37 52	...	...	...	
,, 22nd	A_E P	13 19 29	...	...	...	Moderate shock.
	L	14 2 28	...	...	...	
	F	15 46 49	...	...	...	
,, 22nd	A_N e	13 21 26	...	...	...	Do.
	Se	13 34 32	...	...	...	
	F	15 39 34	...	...	...	
,, 26th	A_E P	19 29 25	...	...	...	Slight shock.
	Se	19 37 39	...	...	...	
	Le	19 51 3	...	...	...	
	F	20 32 53	...	...	...	
July 5th	A_E e	11 5 31	...	...	...	Very feeble shock.
	F	12 1 40	...	...	...	
,, 10th	A_E eP	0 57 46	...	...	...	Slight shock.
	S	1 4 30	...	...	...	
	L	1 12 36	...	...	...	
	M	1 17 26	15	...	4	
	F	1 42 41	...	...	...	
,, 10th	A_E eP	7 54 45	...	...	...	Do
	S	8 2 40	...	...	...	
	Le	8 15 43	...	...	...	
	M	8 22 0	17	...	4	
,, 16th	A_E P	21 6 52	...	...	...	Slight shock.
	L	21 19 21	...		...	

TABLE E 1—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M S.				
July 20th	A_E e	20 28 12	...	...	...	Tremors.
	eF	21 27 32	...	...	...	
„ 30th	A_E e	12 30 25	...	...	...	Do.
	Fe	13 2 17	...	...	...	
Aug. 1st	A_E e	3 30 41	...	...	...	Do.
	F	3 45 15	...	...	...	
„ 2nd	A_E e	4 35 48	...	...	...	Very feeble shock.
	F	5 13 36	...	...	...	
„ 12th	A_E Pi	3 36 32	...	...	...	Distant moderate shock.
	Si	3 46 36	...	...	...	
	Le	4 6 26	...	...	...	
	M	4 18 10	...	...	...	
„ 14th	A_E iP	4 43 14	...	...	...	Shock of great intensity.
	F	Probably mixed up with the next shock.				
„ 14th	A_N P	4 43 18	...	...	...	Do.
	S	4 45 57	...	...	...	
	M	4 48 53	...	718(?)	...	
	eF	6 36 56	...	...	...	
„ 14th	A_E P	7 14 24	...	...	...	Slight shock.
	eF	7 43 25	...	...	...	
„ 14th	A_N e	7 14 32	...	...	...	Very feeble shock.
	F	7 36 33	...	...	...	
„ 14th	A_E P	12 41 28	...	...	...	Slight shock.
	Fe	13 37 39	...	...	...	
„ 14th	A_N e	12 41 45	...	...	...	Very feeble shock.
	F	13 2 56	...	...		
„ 16th	A_E e	21 58 18	...	...	...	Tremors.
	F	22 10 59	...	...	..	
„ 21st	A_E e	4 23 11	...	...	..	Do.
	Fe	5 9 49	...	...	..	
Sept. 3rd	A_E e	12 8 21	...	...	...	Slight shock.
	F	13 35 11	...	...	...	
„ 8th	A_N e	7 33 21	...	...	...	Do.
	F	7 52 12	...	...	...	
1932.		H. M. S.				
Sept. 11th	A_E e	14 17 31*	..	...	...	Slight shock.
	F	15 9 59*	...	...	...	
„ 23rd	A_N P	14 31 7	...	...	...	Do.
	S	Uncertain.				
	eL	14 37 59	...	...	...	
	F	15 26 52	...	...	...	
„ 26th	A_E iP	19 29 0	...	...	...	Moderate shock.
	eF	22 57 6	...	...	...	
„ 26th	A_N eP	19 29 42	...	...	...	Do.
	Si	19 36 30	...	...	...	
	L	19 44 59	...	...	...	
	M	19 49 19	18	118	...	
	Fe	22 17 39	...	...	...	
„ 29th	A_E P	4 5 45	...	...	...	Slight shock.
	F	5 38 51	...	...	...	
„ 29th	A_E P	17 56 38	...	...	...	Do.
	S	18 4 54	...	...	...	
	L	18 18 42	...	...	...	
	Fe	19 57 54	...	...	...	
Oct. 2nd	A_E P	3 18 49	...	...	...	Moderate shock.
	M	4 19 41	...	...	...	
	F	5 48 43	...	...	...	
„ 2nd	A_N e	3 26 55	...	...	...	Slight shock.
	F	4 54 2	...	...	...	
„ 9th	A_E e	12 57 21	...	...	...	Feeble shock.
	F	13 55 14	...	...	...	
„ 16th	A_E e	12 20 38	...	...	...	Slight shock.
	Le	12 49 43	...	...	...	
	F	15 17 4	...	...	...	
„ 16th	A_N e	12 20 39	...	...	...	Do.
	M	13 2 27	21	80	...	
	F	13 41 23	...	...	...	
„ 18th	A_E e	4 18 30	...	...	...	Tremors.
	F	4 59 30	...	...	...	
„ 23rd	A_E P	21 35 24	...	...	...	Slight shock.
	Le	21 50 30	...	...	...	
	F	22 57 56	...	...	...	
„ 28th	A_E e	11 20 46	...	...	...	Tremors.
	F	12 0 44	...	...	...	
1932.		H. M. S.				
Oct. 29th	A_E P	11 11 54	...	...	...	Slight shock.
	F	12 42 54	...	...	...	
„ 30th	A_E P	20 59 32	...	...	...	Do
	L	21 28 46	...	...	...	
Nov. 9th	A_E P	18 33 15	...	...	...	Do.
	F	19 8 5	...	...	...	
„ 9th	A_N Pe	18 33 27	...	...	...	Do.
	Fe	19 6 40	...	...	...	
„ 13th	A_E P	4 55 16	...	...	...	Moderate shock.
	eF	6 20 59	...	...	...	
„ 13th	A_N Pi	4 55 1 6	...	...	...	Do.
	Si	5 1 49	...	...	...	
	eL	5 10 29	...	...	...	
	Fe	7 0 6	...	...	...	
„ 26th	A_E e	4 33 18	...	...	...	Slight shock.
	eF	6 2 32	...	...	...	
„ 29th	A_E Pe	11 31 2	...	...	...	Distant moderate shock.
	S	11 45 2	...	...	...	
	L	12 23 34	...	...	...	
	F	13 45 40	...	...	...	
„ 30th	A_N e	16 59 1	...	...	...	Tremors.
	F	17 7 53	...	...	...	
Dec. 4th	A_E P	18 19 55	...	...	...	Shock of great intensity.
	F	Mixed up with the next shock.				
„ 4th	A_N P	8 19 56	...	...	...	Do.
	S	8 26 55	...	...	...	
	L	8 35 52	...	...	...	
	M	8 41 25	26	455	...	
„ 11th	A_E P	4 31 10*	...	...	...	Slight shock.
„ 15th	A_E Pe	19 41 14*	...	...	...	Do.
	L	19 58 44*	...	...	...	
	M	20 1 38*	...	...	...	
„ 21st	A_E P	6 29 54*	...	...	...	Shock of great intensity.
	Se	6 41 16*	..	...	...	
	Le	7 5 27*	...	...	...	
	F	9 36 52*	...	...	...	

* Uncertain by ± 30 seconds. Time interval between phases of the same record is, however, accurate.

TABLE E 1—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
Dec. 21st	A_N e	6 38 56*	...	...	...	Moderate shock.
	F	9 12 23*	...	...	...	
,, 24th	A_E S	4 23 16*	...	...	...	Slight shock.
	L	4 25 30*	...	...	...	
	F	5 2 34*	...	...	...	
,, 24th	A_E Pe	5 15 57*	...	...	...	Do.
	eS	5 18 54*	...	...	...	
	L	5 20 34*	...	...	...	
,, 24th	A_E P	6 41 43*	...	...	...	Do.
	F	Uncertain.				
,, 25th	A_E iP	2 8 41*	...	...	...	Shock of very great intensity
	F	6 6 9*	...	...	...	
1932.		H. M. S.				
Dec. 25th	A_N iP	2 8 37*	...	...	...	Shock of very great intensity.
	Si	2 12 24*	...	...	...	
	L	2 14 51*	...	...	...	
	M	?	?	7893	...	Motion of recording pen restricted due to side-stops for about 12 minutes.
,, 25th	A_E e	6 12 39*	...	...	...	Feeble shock.
	F	6 43 39*	...	...	...	
,, 25th	A_E e	8 3 41*	...	...	...	Do.
	F	8 34 24*	...	...	...	
,, 25th	A_E e	12 30 28*	...	...	...	Do.
	F	13 4 25*	...	...	...	
1932.		H. M. S.				
Dec. 26th	A_E e	8 12 3*	...	...	...	Feeble shock.
	Fe	8 33 23*	...	...	...	
,, 26th	A_E e	9 9 25*	...	...	...	Do.
	Le	9 12 42*	...	...	...	
	M	9 14 12*	...	...	...	
	F	9 26 22*	...	...	...	
,, 26th	A_E e	21 21 55*	...	...	...	Do.
	F	21 56 14*	...	...	...	
,, 26th	A_E e	21 26 3*	...	...	...	Do.
	F	21 48 23*	...	...	...	
,, 31st	A_E P	6 42 6*	...	...	...	Slight shock.
	S	6 50 56*	...	...	...	
	Le	7 6 10*	...	...	...	

* Uncertain by ± 30 seconds. Time interval between phases of the same record is, however, accurate.

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Meteorologist-in-charge, Upper Air Observatory, Agra.

STATION—BOMBAY (COLABA).

$\varphi = 18° 53' 36''$ N ; $\lambda = 72° 48' 54''$ E ; $h = 6$ Metres. *Subsoil*—Trap rock.

Apparatus.—1. Milne-Shaw Seismograph (N-S Component). *Damping ratio*—20 : 1.

2. Milne-Shaw Seismograph (E.-W Component). *Damping ratio*—21 : 1 (in the underground constant temperature room).

TABLE E 2.

Magnification : $A_N = 250$; $A_E = 350$
Period : $A_N = 12$ Secs ; $A_E = 12$ Secs.

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
Jan. 1st	A_N P	21 4 24	...	...	...	Very feeble shock.
	F	21 44 0	...	...	...	
„ 1st	A_E P	21 4 24	...	...	...	Do.
	F	21 44 0	...	...	...	
„ 2nd	A_N P	23 53 16	...	...	...	Do.
„ 3rd	F	0 37 10	...	...	...	
„ 2nd	A_E P	23 53 16	...	...	...	Do.
„ 3rd	F	0 37 0	...	...	...	
„ 3rd	A_N P	7 55 53	...	...	...	
	S	8 0 26	...	...	...	
	L	8 3 17	...	...	...	
	M	8 4 1	8	4	...	
	F	8 41 0	...	...	...	
„ 3rd	A_E P	7 55 53	...	...	...	
	S	8 0 26	...	...	...	
	L	8 3 17	...	...	...	
	M	8 4 9	7	...	2	
	F	8 52 0	...	...	...	
„ 4th	A_N P	11 59 41	...	...	...	
	S	12 1 11	...	...	...	
	L	12 1 54	...	...	...	
	M	12 2 50	8	7	...	
	F	12 37 0	...	...	...	
„ 4th	A_E P	11 59 41	...	...	...	
	S	12 1 11	...	...	...	
	L	12 1 54	...	...	...	
	M	12 3 1	7	...	4	
	F	12 37 0	...	...	...	
„ 5th	A_N Pe	0 45 11	...	...	...	Very feeble shock.
	F	1 37 0	...	...	...	
„ 5th	A_E Pe	0 45 11	...	...	...	Do.
	F	1 27 0	...	...	...	
1932.		H. M. S.				
Jan. 5th	A_N Pe	2 14 20	...	...	...	Distant feeble shock.
	F	4 22 0	...	...	...	
„ 5th	A_E Pe	2 14 20	...	...	...	Do.
	F	4 42 0	...	...	...	
„ 5th	A_N P	5 30 24	...	...	...	Very feeble shock.
	F	Mixed in the next shock.				
„ 5th	A_E P	5 30 24	...	...	...	Do.
	F	Mixed in the next shock.				
„ 5th	A_N Pe	5 36 14	...	...	...	Do.
	S	5 37 41	...	...	...	
	F	6 12 0	...	...	...	
„ 5th	A_E Pe	5 36 14	...	...	...	Do.
	S	5 37 41	...	...	...	
	F	6 13 0	...	...	...	
„ 6th	A_N P	17 2 15	...	...	...	Feeble shock.
	F	18 11 0	...	...	...	
„ 6th	A_E P	17 2 15	...	...	...	Do.
	F	18 16 0	...	...	...	
„ 8th	A_N P	5 52 24	...	...	...	
	M	6 1 23	8	2	...	
	F	6 28 0	...	...	...	
„ 8th	A_E P	5 52 24	...	...	...	
	M	6 0 58	8	...	2	
	F	6 33 0	...	...	...	
„ 9th	A_N P	10 33 38	...	...	...	
	S	10 43 17	...	...	...	
	L	11 0 48	...	...	...	
	M	11 1 22	11	3	...	
	F	13 4 0	...	...	...	
1932.		H. M. S.				
Jan. 9th	A_E P	10 33 38	...	...	...	
	S	10 43 17	...	...	...	
	L	11 0 48	...	...	...	
	M	11 2 50	14	...	7	
	F	13 50 0	...	...	...	
„ 10th	A_N P	1 8 9	...	...	...	Very feeble shock.
	F	1 43 0	...	...	...	
10th	A_E P	1 8 9	...	...	...	Do.
	F	1 43 0	...	...	...	
„ 13th	A_N P	6 59 44	...	...	...	Do.
	F	7 18 0	...	...	...	
„ 13th	A_E	Instrument out of adjustment.				
„ 13th	A_N P	8 15 29	...	...	...	Do.
	F	8 28 0	...	...	...	
„ 13th	A_E P	8 15 29	...	...	...	Do.
	F	8 28 0	...	...	...	
„ 13th	A_N Pe	16 28 6	...	...	...	Distant shock.
	M	17 5 11	21	6	...	
	F	17 49 0	...	...	...	
„ 13th	A_E Pe	16 28 6	...	...	...	Do.
	M	17 7 50	18	...	5	
	F	17 59 0	...	...	...	
„ 17th	A_N Pe	7 58 42	...	...	...	Distant feeble shock.
	F	10 38 0	...	...	...	
„ 17th	A_E P	7 58 42	...	...	...	Do.
	F	10 27 0	...	...	...	
„ 18th	A_N P	20 35 16	...	...	...	Do.
	F	21 43 0	...	...	...	
„ 18th	A_E P	20 35 16	...	...	...	Do.
	F	21 43 0	...	...	...	

TABLE E 2—contd.

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A N.	Amplitude (μ) A E.	Remarks
1932.		H. M. S.				
Jan. 19th	A_N P	13 43 0	...	...	...	Very feeble shock.
	S	13 44 42	...	...	...	
	L	13 45 18	...	...	...	
	F	14 0 0	...	...	...	
,, 19th	A_E P	13 43 0	...	...	...	Do.
	S	13 44 42	...	...	...	
	L	13 45 18	...	...	...	
	F	14 0 0	...	...	...	
,, 20th	A_N P	2 49 51	...	...	...	Distant shock.
	S	3 4 9	...	...	...	
	L	3 46 44	...	...	...	
	F	4 28 0	...	...	...	
,, 20th	A_E P	2 49 51	...	...	...	Do.
	S	3 4 9	...	...	...	
	L	3 46 44	...	...	...	
	F	4 28 0	...	...	...	
,, 21st	AN	Record disturbed by Insect.				
,, 21st	A_E P	13 54 13	...	...	...	Feeble local shock.
	S	13 55 9	...	...	...	
	L	13 55 32	...	...	...	
	F	14 16 0	...	...	...	
,, 22nd	A_N P	0 54 42	...	...	...	Very feeble shock.
	S	0 59 37	...	...	...	
	F	1 35 0	...	...	...	
,, 22nd	A_E P	0 54 42	...	...	...	Do.
	S	0 59 37	...	...	...	
	F	1 35 0	...	...	...	
,, 23rd	A_N P	17 25 51	...	...	...	Feeble shock.
	S	17 27 12	...	...	...	
	L	17 27 43	...	...	...	
	F	17 45 0	...	...	...	
,, 23rd	A_E P	17 25 51	...	...	...	Do.
	S	17 27 12	...	...	...	
	L	17 27 43	...	...	...	
	F	17 56 0	...	...	...	
,, 24th	A_N P	3 58 13	...	...	...	
	S	4 8 49	...	...	...	
	L	4 31 6	...	...	...	
	M	4 49 21	16	4	...	
	F	6 17 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A N.	Amplitude (μ) A E.	Remarks.
1932.		H. M. S.				
Jan. 24th	A_E P	3 58 13	...	...	...	
	S	4 8 49	...	...	...	
	L	4 31 6	...	...	...	
	M	4 48 17	19	...	7	
	F	6 47 0	...	...	...	
,, 24th	A_N P	8 48 53	...	...	...	Feeble shock.
	S	8 51 4	...	...	...	
	L	8 51 54	...	...	...	
	F	9 15 0	...	...	...	
,, 24th	A_E P	8 48 53	...	...	...	Do.
	S	8 51 4	...	...	...	
	L	8 51 54	...	...	...	
	F	9 16 0	...	...	...	
,, 25th	A_N P	2 7 3	...	...	...	Very feeble shock.
	F	3 17 0	...	...	...	
,, 25th	A_E P	2 7 3	...	...	...	Do.
	F	3 48 0	...	...	...	
,, 26th	A_N P	5 4 2	...	...	...	
	S	5 5 41	...	...	...	
	L	5 6 13	...	...	...	
	F	5 29 0	...	...	...	
,, 26th	A_E P	5 4 2	...	...	...	
	S	5 5 41	...	...	...	
	L	5 6 13	...	...	...	
	F	5 29 0	...	...	...	
,, 27th	A_N e	19 55 0	...	...	...	Tremors.
	f	20 48 0	...	...	...	
,, 27th	A_E e	19 55 0	...	...	...	Do.
	f	20 48 0	...	...	...	
,, 29th	A_N P	13 53 46	...	...	...	
	S	14 4 3	...	...	...	
	L	14 25 22	...	...	...	
	M	14 43 26	19	7	...	
	F	17 45 0	...	...	...	
,, 29th	A_E P	13 53 46	...	...	...	
	S	14 4 3	...	...	...	
	L	14 25 22	...	...	...	
	M	14 33 43	22	...	14	
	F	18 48 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A N.	Amplitude (μ) A E.	Remarks.
1932.		H. M. S.				
Jan. 27th	A_N Pe	19 23 34	...	...	...	Very feeble shock.
	F	19 34 0	...	...	...	
,, 27th	A_E Pe	19 23 34	...	...	...	Do.
	F	19 41 0	...	...	...	
,, 30th	A_N P	3 17 29	...	...	...	Feeble shock.
	S	3 27 49	...	...	...	
	L	3 47 3	...	...	...	
	F	5 13 0	...	...	...	
,, 30th	A_E	3 17 29	...	...	...	Do.
	S	3 27 49	...	...	...	
	L	3 47 3	...	...	...	
	F	5 30 0	...	...	...	
,, 30th	A_N P	7 25 21	...	...	...	Very feeble shock.
	F	8 19 0	...	...	...	
,, 30th	A_E P	7 25 21	...	...	...	Do.
	F	Mixed with succeeding lines due to congestion.				
,, 30th	A_N P	19 10 51	...	...	...	Feeble shock.
	F	20 20 0	...	...	...	
,, 30th	A_E P	19 10 51	...	...	...	Do.
	F	20 20 0	...	...	...	
,, 30th	A_N e	21 12 0	...	...	...	Tremors.
	f	22 18 0	...	...	...	
,, 30th	A_E e	21 12 0	...	...	...	Do.
	f	22 18 0	...	...	...	
,, 30th	A_N P	23 6 58	...	...	...	Feeble shock.
	F	23 54 0	...	...	...	
,, 30th	A_E P	23 6 58	...	...	...	Do.
	F	23 54 0	...	...	...	
,, 31st	A_N P	1 19 1	...	...	...	Do.
	F	1 57 0	...	...	...	
,, 31st	A_E P	1 19 1	...	...	...	Do.
	F	1 57 0	...	...	...	
,, 31st	A_N e	4 23 0	...	...	...	Tremors.
	f	Mixed with next shock.				
,, 31st	A_E e	4 23 0	...	...	...	Do.
	f	Mixed with next shock.				

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
	A_N					
Jan. 31st	P	4 47 35	...	...	...	Feeble shock.
	S	4 57 51	...	...	...	
	F	6 21 0	...	...	...	
	A_E					
,, 31st	P	4 47 35	...	...	...	Do.
	S	4 57 51	...	...	...	
	F	6 21 0	...	...	...	
	A_N					
,, 31st	Pe	12 7 14	...	...	...	Do.
	F	13 3 0	...	...	...	
	A_E					
,, 31st	Pe	12 7 14	...	...	...	Do.
	F	13 3 0	...	...	...	
	A_N					
,, 31st	P	16 14 5	...	...	...	Do.
	S	16 24 5	...	...	...	
	F	17 49 0	...	...	...	
	A_E					
,, 31st	P	16 14 5	...	...	...	Do.
	S	16 24 5	...	...	...	
	F	17 49 0	...	...	...	
	A_N					
,, 31st	P	20 4 5	...	...	...	Do.
	F	20 49 0	...	...	...	
	A_E					
,, 31st	P	20 4 5	...	...	...	Do.
	F	20 49 0	...	...	...	
	A_N					
,, 31st	P	21 41 52	...	...	...	Do.
	S	21 45 16	...	...	...	
	L	21 46 54	...	...	...	
	F	22 37 0	...	...	...	
	A_E					
,, 31st	P	21 41 52	...	...	...	Do.
	S	21 45 16	...	...	...	
	L	21 46 54	...	...	...	
	F	22 37 0	...	...	...	
	A_N					
Feb. 1st	P	7 44 41	...	...	...	
	S	7 49 46	...	...	...	
	L	7 54 7	...	...	...	
	F	8 55 0	...	...	...	
	A_E					
,, 1st	P	7 44 41	...	...	...	
	S	7 49 46	...	...	...	
	L	7 54 7	...	...	...	
	F	8 55 0	...	...	...	
	A_N					
,, 3rd	P	6 25 43	...	...	...	
	S	6 38 40	...	...	...	
	L	7 12 16	...	...	...	
	M	7 43 28	20	7	...	
		9 1 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
	A_E					
Feb. 3rd	P	6 25 43	...	...	...	
	S	6 38 40	...	...	...	
	L	7 12 16	...	...	...	
	M	7 46 54	20	...	9	
	F	9 9 0	...	...	...	
	A_N					
,, 3rd	e	12 19 0	...	...	...	Tremors.
	f	13 4 0	...	...	...	
	A_E					
,, 3rd	e	12 19 0	...	...	...	Do.
	f	13 13 0	...	...	...	
	A_N					
,, 4th	P	6 27 57	...	...	...	Feeble shock.
	F	7 32 0	...	...	...	
	A_E					
,, 4th	P	6 27 57	...	...	...	Do.
	F	7 15 0	...	...	...	
	A_N					
,, 4th	P	21 21 7	...	...	...	
	S	21 24 10	...	...	...	
	L	21 25 58	...	...	...	
	M	21 31 5	8	2	...	
	F	22 4 0	...	...	...	
	A_E					
,, 4th	P	21 21 7	...	...	...	
	S	21 24 10	...	...	...	
	L	21 25 58	...	...	...	
	M	21 29 27	8	...	2	
	F	22 3 0	...	...	...	
	A_N					
,, 5th	P	13 48 35	...	...	...	
	S	13 52 55	...	...	...	
	L	13 56 16	...	...	...	
	M	13 56 25	7	9	...	
	F	14 45 0	...	...	...	
	A_E					
,, 5th	P	13 48 35	...	...	...	
	S	13 52 55	...	...	...	
	L	13 56 16	...	...	...	
	M	13 59 19	11	...	4	
	F	14 49 0	...	...	...	
	A_N					
,, 6th	P	5 43 37	...	...	...	Feeble shock.
	F	6 29 0	...	...	...	
	A_E					
,, 6th	P	5 43 37	...	...	...	Do.
	F	6 31 0	...	...	...	
	A_N					
,, 9th	P	2 23 47	...	...	...	Do.
	F	2 44 0	...	...	...	
	A_E					
,, 9th	P	2 23 47	...	...	...	Do.
	F	2 48 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
	A_N					
Feb. 11th	P	11 47 35	...	...	...	Feeble shock.
	S	11 52 38	...	...	...	
	F	Mixed up with next shock.				
	A_E					
,, 11th	P	11 47 35	...	...	...	Do.
	S	11 52 38	...	...	...	
	F	Mixed up with next shock.				
	A_N					
,, 11th	Pe	12 1 43	...	...	...	
	S	12 6 43	...	...	...	
	L	12 10 13	...	...	...	
	F	13 5 0	...	...	...	
	A_E					
,, 11th	Pe	12 1 43	...	...	...	
	S	12 6 43	...	...	...	
	L	12 10 13	...	...	...	
	F	13 4 0	...	...	...	
	A_N					
,, 12th	P	1 2 15	...	...	...	
	S	1 5 37	...	...	...	
	L	1 7 58	...	...	...	
	M	1 10 14	14	2	...	
	F	3 2 0	...	...	...	
	A_E					
,, 12th	P	1 2 15	...	...	...	
	S	1 5 37	...	...	...	
	L	1 7 58	...	...	...	
	M	1 8 42	15	...	28	
	F	3 13 0	...	...	...	
	A_N					
,, 13th	e	19 33 0	...	...	...	Tremors.
	f	20 12 0	...	...	...	
	A_E					
,, 13th	e	19 33 0	...	...	...	Do.
	f	20 12 0	...	...	...	
	A_N					
,, 14th	P	2 43 57	...	...	...	Very feeble shock.
	F	3 7 0	...	...	...	
	A_E					
,, 14th	P	2 43 57	...	...	...	Do.
	F	3 7 0	...	...	...	
	A_N					
,, 14th	P	12 15 43	...	...	...	Feeble shock.
	F	13 15 0	...	...	...	
	A_E					
,, 14th	P	12 15 43	...	...	...	Do.
	F	13 15 0	...	...	...	
	A_N					
,, 14th	P	15 37 43	...	...	...	Do.
	F	15 45 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A_N	Amplitude (μ). A_E	Remarks.
1932.		H. M. S.				
Feb. 14th	A_E P	15 37 43	...	...	...	Feeble shock.
	F	15 45 0	...	...	...	
,, 14th	A_N P	20 34 36	...	...	...	Very feeble shock.
	F	21 7 0	...	...	...	
,, 14th	A_E P	20 34 36	...	...	...	Do.
	F	21 7 0	...	...	...	
14th	A_N P	23 21 2	...	...	...	
	S	23 26 43	...	...	...	
	L	23 31 54	...	...	...	
	M	23 36 36	10	5	...	
,, 15th	F	1 20 0	...	...	...	
,, 14th	A_E P	23 21 2	...	...	...	
	S	23 26 43	...	...	...	
	L	23 31 54	...	...	...	
	M	23 35 45	11	...	9	
,, 15th	F	1 25 0	...	...	...	
,, 15th	A_N P	9 49 12	...	...	...	Very feeble shock.
	F	10 12 0	...	...	...	
,, 15th	A_E P	9 49 12	...	...	...	Do.
	F	10 12 0	...	...	...	
,, 16th	A_N P	14 6 39	...	...	...	
	S	14 18 56	...	...	...	
	L	14 47 11	...	...	...	
	F	16 4 0	...	...	...	
,, 16th	A_E P	14 6 39	...	...	...	
	S	14 18 56	...	...	...	
	L	14 47 11	...	...	...	
	M	14 58 24	21	...	7	
	F	16 27 0	...	...	...	
,, 17th	A_N e	23 34 0	...	...	...	Tremors.
,, 18th	f	0 7 0	...	...	...	
,, 17th	A_E e	23 34 0	...	...	...	Do.
,, 18th	f	0 7 0	...	...	...	
,, 18th	A_N P	1 31 36	...	...	...	Very feeble shock.
	F	2 0 0	...	...	...	
,, 18th	A_E P	1 31 36	...	...	...	Do.
	F	1 58 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A_N	Amplitude (μ). A_E	Remarks.
1932.		H. M. S.				
Feb. 21st	A_N P	12 48 41	...	...	...	Feeble shock.
	F	Mixed up with the next shock.				
,, 21st	A_E P	12 48 41	...	...	...	Do.
	F	Mixed up with the next shock.				
,, 21st	A_N Pe	13 25 7	...	...	...	
	M	13 31 23	14	4	...	
	F	14 34 0	...	...	...	
,, 21st	A_E Pe	13 25 7	...	...	...	
	M	13 36 27	12	...	3	
	F	14 49 0	...	...	...	
,, 23rd	A_N P	0 32 1	...	...	...	
	S	0 40 55	...	...	...	
	L	0 55 41	...	...	...	
	M	1 5 31	18	3	...	
	F	2 58 0	...	...	...	
,, 23rd	A_E P	0 32 1	...	...	...	
	S	0 40 55	...	...	...	
	L	0 55 41	...	...	...	
	M	0 57 18	24	...	17	
	F	3 14 0	...	...	...	
,, 23rd	A_N P	20 21 42	...	...	...	Feeble shock.
	F	21 52 0	...	...	...	
,, 23rd	A_E P	20 21 42	...	...	...	Do.
	F	21 58 0	...	...	...	
,, 24th	A_N P	21 54 31	...	...	...	Very feeble shock.
	F	22 21 0	...	...	...	
,, 24th	A_E P	21 54 31	...	...	...	Do.
	F	22 21 0	...	...	...	
,, 26th	A_N e	7 35 0	...	...	...	Tremors.
	f	8 21 0	...	...	...	
,, 26th	A_E e	7 36 0	...	...	...	Do.
	f	8 20 0	...	...	...	
,, 26th	A_N P	11 39 16	...	...	...	Very feeble shock.
	F	12 19 0	...	...	...	
,, 26th	A_E P	11 39 16	...	...	...	Do.
	F	12 19 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A_N	Amplitude (μ). A_E	Remarks.
1932.		H. M. S.				
Feb. 27th	A_N e	21 45 0	...	...	...	Tremors.
	f	21 59 0	...	...	...	
,, 24th	A_E e	21 45 0	...	...	...	Do.
	f	21 59 0	...	...	...	
,, 29th	A_N e	22 59 0	...	...	...	Do.
	f	23 17 0	...	...	...	
,, 29th	A_E e	22 59 0	...	...	...	Do.
	f	23 17 0	...	...	...	
Mar. 4th	A_N P	23 24 42	...	...	...	
	S	23 28 5	...	...	...	
	L	23 29 36	...	...	...	
	M	23 30 59	11	24	...	
,, 5th	F	0 16 0	...	...	...	
,, 4th	A_E P	23 24 42	...	...	...	
	S	23 28 5	...	...	...	
	L	23 29 36	...	...	...	
	M	23 30 12	9	...	16	
,, 5th	F	0 18 0	...	...	..	
,, 5th	A_N e	2 24 0	...	...		Tremors.
	f	3 13 0	...	...	...	
,, 5th	A_E e	2 24 0	...	...	...	Do
	f	3 13 0	...	...	...	
,, 6th	A_N P	0 22 51	...	...	...	
	S	0 26 34	...	...	...	
	L	0 28 26	...	...	...	
	M	0 28 38	6	16	...	
	F	1 9 0	...	...	...	
,, 6th	A_E P	0 22 51	...	...	...	
	S	0 26 34	...	...	...	
	L	0 28 26	...	...	...	
	M	0 30 13	11	...	12	
	F	1 9 0	...	...	...	
,, 6th	A_N P	21 49 5	...	...	...	
	S	21 53 38	...	...	...	
	L	21 56 45	...	...	...	
	M	22 0 15	8	3	...	
	F	22 27 0	...	...	...	
,, 6th	A_E P	21 49 5	...	...	...	
	S	21 53 38	...	...	...	
	L	21 56 45	...	...	...	
	M	21 59 39	9	...	3	
	F	22 35 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A_N	Amplitude (μ). A_E	Remarks.
1932.		H. M. S.				
Mar. 7th	A_N e	2 53 0	...	...	...	Tremors.
	f	3 14 0	...	...	...	
,, 7th	A_E e	2 53 0	...	...	...	Do.
	f	3 14 0	...	...	...	
,, 8th	A_N P	3 23 42	...	...	...	
	S	3 34 1	...	...	...	
	L	3 54 30	...	...	...	
	F	4 7 0	...	...	...	
,, 8th	A_E P	3 23 42	...	...	...	
	S	3 34 1	...	...	...	
	L	3 54 30	...	...	...	
	F	4 31 0	...	...	...	
,, 8th	A_N P	4 42 17	...	...	...	
	S	4 52 38	...	...	...	
	L	5 13 29	...	...	...	
	M	Movements small.				
	F	6 5 0	...	...	...	
,, 8th	A_E P	4 42 17	...	...	...	
	S	4 52 38	...	...	...	
	L	5 13 29	...	...	...	
	M	5 22 30	23	...	7	
	F	6 17 0	...	...	...	
,, 8th	A_N P	18 19 0	...	...	...	Distant feeble shock.
	F	19 58 0	...	...	...	
,, 8th	A_E P	18 19 0	...	...	...	Do.
	F	19 58 0	...	...	...	
,, 9th	A_N P	1 11 12	...	...	...	Very feeble shock.
	F	1 37 0	...	...	...	
,, 9th	A_E P	1 11 12	...	...	...	Do.
	F	1 37 0	...	...	...	
,, 9th	A_N P	9 28 19	...	...	...	Do.
	F	9 43 0	...	...	...	
,, 9th	A_E P	9 28 19	...	...	...	Do.
	F	9 43 0	...	...	...	
,, 9th	A_N P	10 25 5	...	...	...	Do.
	F	11 1 0	...	...	...	
,, 9th	A_E P	10 25 5	...	...	...	Do.
	F	11 1 0	...	...	...	
1932.		H. M. S.				
Mar. 9th	A_N e	18 11 0	...	...	...	Tremors.
	f	18 41 0	...	...	...	
,, 9th	A_E e	18 11 0	...	...	...	Do.
	f	18 41 0	...	...	...	
,, 10th	A_N e	1 10 0	...	...	...	Do.
	f	1 44 0	...	...	...	
,, 10th	A_E e	1 10 0	...	...	...	Do.
	f	1 44 0	...	...	...	
,, 10th	A_N Pe	5 39 12	...	...	...	Distant feeble shock.
	F	7 32 0	...	...	...	
,, 10th	A_E Pe	5 39 12	...	...	...	Do.
	F	7 42 0	...	...	...	
,, 14th	A_N P	23 2 20	...	...	...	
	S	23 5 51	...	...	...	
	L	23 7 46	...	...	...	
	M	Movements small.				
,, 15th	F	0 56 0	...	...		
,, 14th	A_E P	23 2 20	...	...	...	
	S	23 5 51	...	...	...	
	L	23 7 46	...	...	...	
,, 15th	M	0 24 46	17	...	2	
	F	1 14 0	...	...	...	
,, 15th	A_N P	4 43 22	...	...	...	
	S	4 52 31	...	...	...	
	L	5 6 39	...	...	...	
	F	6 20 0	...	...	...	
,, 15th	A_E P	4 43 22	...	...	...	
	S	4 52 31	...	...	...	
	L	5 6 39	...	...	...	
	F	6 20 0	...	...	...	
,, 15th	A_N P	6 45 21	...	...	...	Feeble shock.
	F	7 6 0	...	...	...	
,, 15th	A_E P	6 45 21	...	...	...	Do.
	F	7 6 0	...	...	...	
,, 15th	A_N e	7 56 0	...	...	...	Tremors.
	f	8 26 0	...	...	...	
,, 15th	A_E e	7 56 0	...	...	...	Do.
	f	8 26 0	...	...	...	
1932.		H. M. S.				
Mar. 15th	A_N Pe	10 24 6	...	...	...	Very feeble shock.
	F	10 57 0	...	...	...	
,, 15th	A_E Pe	10 24 6	...	...	...	Do.
	F	10 57 0	...	...	...	
,, 16th	A_N e	20 55 0	...	...	...	Tremors.
	f	22 9 0	...	...	...	
,, 16th	A_E e	20 55 0	...	...	...	Do.
	f	22 9 0	...	...	...	
,, 18th	A_N P	5 23 35	...	...	...	
	S	5 29 22	...	...	...	
	L	5 34 18	...	...	...	
	M	5 39 22	9	3	...	
	F	7 7 0	...	...	...	
,, 18th	A_E P	5 23 35	...	...	...	
	S	5 29 22	...	...	...	
	L	5 34 18	...	...	...	
	M	5 40 45	12	...	5	
	F	7 13 0	...	...	...	
,, 19th	A_N P	11 11 0	...	...	...	
	S	11 20 9	...	...	...	
	L	11 36 24	...	...	...	
	M	11 39 23	...	17	4	
	F	12 50 0	...	...	...	
,, 19th	A_E P	11 11 0	...	...	...	
	S	11 20 9	...	...	...	
	L	11 36 24	...	...	...	
	M	11 42 44	20	...	5	
	F	13 9 0	...	...	...	
,, 19th	A_N e	13 18 0	...	...	...	Tremors.
	f	14 0 0	...	...	...	
,, 19th	A_E e	13 18 0	...	...	...	Do.
	f	14 0 0	...	...	...	
,, 19th	A_N P	23 22 17	...	...	...	Distant feeble shock.
,, 20th	F	0 47 0	...	...	...	
,, 19th	A_E P	23 22 17	...	...	...	Do.
,, 20th	F	0 47 0	...	...	...	
,, 21st	A_N P	11 32 44	...	...	...	Very feeble shock.
	F	11 55 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). A_N	Amplitude (μ). A_E	Remarks.
1932.		H. M. S.				
Mar. 21st	A_E P	11 32 44	...	...	...	Very feeble shock.
	F	11 55 0	...	...	...	
,, 23rd	A_N e	12 29 0	...	...	...	Tremors.
	f	12 57 0	...	...	...	
,, 23rd	A_E e	12 29 0	...	...	...	Do.
	f	12 57 0	...	...	...	
,, 23rd	A_N e	13 27 0	...	...	...	Do.
	f	14 11 0	...	...	...	
,, 23rd	A_E e	13 27 0	...	...	...	Do.
	f	14 11 0	...	...	...	
,, 24th	A_N P	16 12 41	...	...	...	
	S	16 16 7	...	...	...	
	L	16 17 50	...	...	...	
	M	16 18 30	6	19	...	
	F	16 52 0	...	...	...	
,, 24th	A_E P	16 12 41	...	...	...	
	S	16 16 7	...	...	...	
	L	16 17 50	...	...	...	
	M	16 19 21	6	...	10	
	F	16 57 0	...	...	...	
,, 25th	A_N P	4 33 45	...	...	...	
	S	4 36 48	...	...	...	
	L	4 38 13	...	...	...	
	M	4 39 26	5	4	...	
	F	5 13 0	...	...	...	
,, 25th	A_E P	4 33 45	...	...	...	
	S	4 36 48	..	...	...	
	L	4 38 13	...	...	...	
	M	4 40 21	5	...	2	
	F	5 12 0	...	...	...	
,, 26th	A_N P	0 11 37	...	...	...	
	S	0 22 17	...	...	...	
	L	0 44 10	...	...	...	
	M	0 49 30	18	27	...	
	F	3 29 0	...	...	...	
,, 26th	A_E P	0 11 37	...	...	...	
	S	0 22 17	...	...	...	
	L	0 44 10	...	...	...	
	M	0 49 30	18	...	38	
	F	3 41 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). A_N	Amplitude (μ). A_E	Remarks.
1932.		H. M. S.				
Mar. 26th	A_N Pe	7 13 2	...	...	...	Feeble shock.
	M	Movements small.				
	F	8 34 0	...	...	...	
,, 26th	A_E Pe	7 13 2	...	...	...	Do.
	M	7 22 8	12	...	4	
	F	8 25 0	...	...	...	
,, 26th	A_N P	10 2 24	...	...	...	
	S	10 10 14	...	...	...	
	L	10 22 16	...	...	...	
	M	10 33 0	17	10	...	
	F	12 41 0	...	...	...	
,, 26th	A_E P	10 2 24	...	...	...	
	S	10 10 14	...	...	...	
	L	10 22 16	...	...	...	
	M	10 33 10	17	....	15	
	F	13 8 0	...	...	...	
,, 27th	A_N P	8 48 54	...	...	...	
	S	8 52 44	...	...	...	
	L	8 54 50	...	...	...	
	M	8 56 25	10	14	...	
	F	9 55 0	...	...	...	
,, 27th	A_E P	8 48 54	...	...	...	
	S	8 52 44	...	...	...	
	L	8 54 50	...	...	...	
	M	8 57 9	8	...	6	
	F	9 55 0	...	...	...	
,, 27th	A_N Pe	17 8 21	...	...	...	Very feeble shock.
	F	18 8 0	...	...	...	
,, 27th	A_E Pe	17 8 21	...	...	...	Do.
	F	17 53 0	...	...	...	
,, 28th	A_N P	0 42 48	...	...	...	
	S	0 48 43	...	...	...	
	L	0 54 18	...	...	...	
	M	1 1 3	10	4	...	
	F	3 8 0	...	...	...	
,, 28th	A_E P	0 42 48	...	...	...	
	S	0 48 43	...	...	...	
	L	0 54 18	...	...	...	
	M	1 1 2	13	...	9	
	F	3 38 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). A_N	Amplitude (μ). A_E	Remarks.
1932.		H. M. S.				
Mar. 28th	A_N P	8 54 43	...	...	...	Very feeble shock.
	F	9 43 0	...	...	...	
,, 28th	A_E P	8 54 43	...	...	...	Do.
	F	9 43 0	...	...	...	
,, 29th	A_N P	9 18 50	...	...	...	Do.
	F	10 32 0	...	...	...	
,, 29th	A_E P	9 18 50	...	...	...	Do.
	F	10 32 0	...	...	...	
,, 30th	A_N Pe	15 14 44	...	...	...	Do.
	F	16 18 0	...	...	...	
,, 30th	A_E Pe	15 14 44	...	...	...	Do.
	F	15 43 0	...	...	...	
,, 31st	A_N e	22 8 0	...	...	...	Tremors.
	f	22 34 0	...	...	...	
,, 31st	A_E e	22 8 0	...	...	...	Do.
	f	22 33 0	...	...	...	
April 2nd	A_N Pe	9 5 40	...	...	...	Very feeble shock.
	F	9 40 0	...	...	...	
,, 2nd	A_E Pe	9 5 40	...	...	...	Do.
	F	9 40 0	...	...	...	
,, 3rd	A_N P	20 57 34	...	...	...	
	S	21 8 25	...	...	...	
	L	21 30 55	...	...	...	
	M	21 51 54	19	8	...	
	F	22 33 0	...	...	...	
,, 3rd	A_E P	20 57 34	...	...	...	
	S	21 8 25	...	...	...	
	L	21 30 55	...	...	...	
	M	21 46 12	20	...	4	
	F	23 1 0	...	...	...	
,, 4th	A_N P	19 26 4	...	...	...	
	S	19 36 32	...	...	...	
	L	19 58 53	...	...	...	
	F	20 47 0	...	...	...	
,, 4th	A_E P	19 26 4	...	...	...	
	S	19 36 32	...	...	...	
	L	19 58 53	...	...	...	
	F	20 50 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A_N	Amplitude (μ). A_E	Remarks.
1932.		H. M. S.				
April 6th	A_N P	9 18 56	...	...	...	Feeble shock.
	S	9 25 4	...	...	...	
	L	9 31 8	...	...	...	
	F	10 16 0	...	...	...	
,, 6th	A_E P	9 18 56	...	...	...	Do.
	S	9 25 4	...	...	...	
	L	9 31 8	...	...	...	
	F	10 17 0	...	...	...	
,, 8th	A_N Pe	12 14 27	...	...	...	Distant feeble shock.
	F	13 26 0	...	...		
,, 8th	A_E Pe	12 14 27	...	...	...	Do.
	F	13 53 0	...	...	...	
,, 10th	A_N e	16 59 0	...	...	...	Tremors.
	f	17 12 0	...	...	...	
,, 10th	A_E e	16 59 0	...	...	...	Do.
	f	17 12 0	...	...	...	
,, 13th	A_N P	0 4 49	...	...	...	Distant feeble shock.
	S	0 14 58	...	...	...	
	L	0 34 54	...	...	...	
	F	1 42 0	...	...	...	
,, 13th	A_E P	0 4 49	...	...	...	Do.
	S	0 14 58	...	...	...	
	L	0 34 54	...	...	...	
	F	2 2 0	...	...	...	
,, 13th	A_N Pe	4 4 44	...	...	...	Very feeble shock.
	F	5 0 0	...	...	...	
,, 13th	A_E Pe	4 4 44	...	...	...	Do.
	F	4 57 0	...	...	...	
,, 18th	A_N P	11 22 15	...	...	...	
	S	11 25 56	...	...	...	
	L	11 28 17	...	...	...	
	M	11 33 50	11	5	...	
	F	12 26 0	...	...	...	
,, 18th	A_E P	11 22 15	...	...	...	
	S	11 25 56	...	...	...	
	L	11 28 17	...	...	...	
	M	11 35 9	13	...	9	
	F	12 48 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A_N	Amplitude (μ). A_E	Remarks.
1932.		H. M. S.				
April 22nd	A_N P	5 5 29	...	...	...	
	S	5 11 21	...	...	...	
	L	5 18 7	...	...	...	
	F	6 25 0	...	...	...	
,, 22nd	A_E P	5 5 29	...	...	...	
	S	5 11 21	...	...	...	
	L	5 18 7	...	...	...	
	F	7 6 0	...	...	...	
,, 26th	A_N P	8 14 27	...	...	...	Distant feeble shock.
	F	10 9 0	...	...	...	
,, 26th	A_E P	8 14 27	...	...	...	Do.
	F	10 11 0	...	...	...	
,, 29th	A_N Pe	17 39 57	...	...	...	Very feeble shock.
	F	18 26 0	...	...	...	
,, 29th	A_E Pe	17 39 57	...	...	...	Do.
	F	18 26 0	...	...	...	
,, 29th	A_N P	18 31 16	...	...	...	Distant feeble shock.
	F	19 54 0	...	...	...	
,, 29th	A_E P	18 31 16	...	...	...	Do.
	F	19 54 0	...	...	...	
,, 30th	A_N P	1 19 6	...	...	...	Feeble shock.
	F	Lost while changing paper.				
,, 30th	A_E P	1 19 6	...	...	...	Do.
	F	Lost while changing paper.				
,, 30th	A_N P	10 56 38	...	...	...	
	S	10 59 47	...	...	...	
	L	11 1 16	...	...	...	
	F	11 24 0	...	...	...	
,, 30th	A_E P	10 56 38	...	...	...	
	S	10 59 47	...	...	...	
	L	11 1 16	...	...	...	
	F	11 38 0	...	...	...	
May 1st	A_N e	5 7 0	...	...	...	Tremors.
	f	5 41 0	...	...	...	
,, 1st	A_E e	5 7 0	...	...	...	Do.
	f	5 41 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A_N	Amplitude (μ). A_E	Remarks.
1932.		H. M. S.				
May 2nd	A_N P	23 38 40	...	...	...	Very feeble shock.
,, 3rd	F	0 37 0	...	...	...	
,, 2nd	A_E P	23 38 40	...	...	...	Do.
,, 3rd	F	0 37 0	...	...	...	
,, 4th	A_N e	1 31 0	...	...	...	Tremors.
	f	1 48 0	...	...	...	
,, 4th	A_E e	1 31 0	...	...	...	Do.
	f	1 53 0	...	...	...	
,, 4th	A_N Pe	11 30 2	...	...	...	Very feeble shock.
	F	11 49 0	...	...	...	
,, 4th	A_E Pe	11 30 2	...	...	...	Do.
	F	11 49 0	...	...	...	
,, 4th	A_N e	22 19 0	...	...	...	Tremors.
	f	22 30 0	...	...	...	
,, 4th	A_E e	22 19 0	...	...	...	Do.
	f	22 30 0	...	...	...	
,, 5th	A_N P	4 20 13	...	...	...	Feeble shock.
	F	5 12 0	...	...	...	
,, 5th	A_E P	4 20 13	...	...	...	Do.
	F	5 12 0	...	...	...	
,, 5th	A_N e	9 8 0	...	...	...	Tremors.
	f	9 20 0	...	...	...	
,, 5th	A_E e	9 8 0	...	...	...	Do.
	f	9 20 0	...	...	...	
,, 10th	A_N Pe	14 27 20	...	...	...	Very feeble shock.
	F	15 7 0	...	...	...	
,, 10th	A_E Pe	14 27 20	...	...	...	Do.
	F	15 7 0	...	...	...	
,, 11th	A_N P	7 3 57	...	...	...	Feeble shock.
	F	8 8 0	...	...	...	
,, 11th	A_E P	7 3 57	...	...	...	Do.
	F	8 8 0	...	...	...	
,, 12th	A_N Pe	6 17 19	...	...	...	Do
	F	7 12 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). A_N	Amplitude (μ). A_E	Remarks.
1932.		H. M. S.				
May 12th	A_E Pe	6 17 19	...	...	...	Feeble shock.
	F	7 12 0	...	...	...	
,, 14th	A_N P	13 20 37	...	...	...	
	S	13 27 59	...	...	...	
	L	13 36 7	...	...	...	
	M	13 36 32	25	1009	...	
	F	18 7 0	...	...	...	
,, 14th	A_E P	13 20 37	...	...	...	
	S	13 27 59	...	...	...	
	L	13 36 7	...	...	...	
	M	13 38 55	28	...	1145	
	F	18 53 0	...	...	...	
,, 17th	A_N Pe	13 5 12	...	...	...	Very feeble shock.
	F	13 50 0	...	...	...	
,, 17th	A_E Pe	13 5 12	...	...	...	Do.
	F	13 50 0	...	...	...	
,, 17th	A_N P	13 54 32	...	...	...	
	S	13 55 54	...	...	...	
	L	13 56 29	...	...	...	
	F	14 9 0	...	...	...	
,, 17th	A_E P	13 54 32	...	...	...	
	S	13 55 54	...	...	...	
	L	13 56 29	...	...	...	
	F	14 10 0	...	...	...	
,, 18th	A_N Pe	19 5 43	...	...	...	
	M	19 33 52	15	7	...	
	F	20 30 0	...	...	...	
,, 18th	A_E Pe	19 5 43	...	...	...	
	M	19 30 39	18	...	7	
	F	20 40 0	...	...	...	
,, 20th	A_N Pe	19 20 40	...	...	...	
	M	19 34 56	9	3	...	
	F	19 55 0	...	...	...	
,, 20th	A_E Pe	19 20 40	...	...	...	
	M	19 31 7	12	...	3	
	F	19 54 0	...	...	...	
,, 21st	A_N P	10 29 33	...	...	...	
	S	10 43 8	...	...	...	
	L	11 19 7	...	...	...	
	M	11 31 34	24	26	...	
	F	12 56 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ). A_N	Amplitude (μ). A_E	Remarks.
1932.		H. M. S.				
May 21st	A_E P	10 29 33	...	...	...	
	S	10 43 8	...	...	...	
	L	11 19 7	...	...	...	
	M	11 30 34	24	...	29	
	F	12 58 0	...	...	...	
,, 21st	A_N Pe	21 49 8	...	...	...	Very feeble shock.
	F	22 9 0	...	...	...	
,, 21st	A_E Pe	21 49 8	...	...	...	Do.
	F	22 7 0	...	...	...	
,, 22nd	A_N Pe	11 54 45	...	...	...	Very feeble shock.
	F	12 16 0	...	...	...	
,, 22nd	A_E Pe	11 54 45	...	...	...	Do.
	F	12 17 0	...	...	...	
,, 22nd	A_N Pe	12 22 45	...	...	...	Distant feeble shock.
	F	13 26 0	...	...	...	
,, 22nd	A_E Pe	12 22 45	...	...	...	Do.
	F	13 30 0	...	...	...	
,, 26th	A_N P	5 17 33	...	...	...	
	S	5 21 39	...	...	...	
	L	5 24 29	...	...	...	
	M	5 25 18	7	6	...	
	F	6 4 0	...	...	...	
,, 26th	A_E P	5 17 33	...	...	...	
	S	5 21 39	...	...	...	
	L	5 24 29	...	...	...	
	M	5 27 9	9	...	4	
	F	6 3 0	...	...	...	
,, 26th	A_N P	16 23 36	...	...	...	
	S	16 30 22	...	...	...	
	L	16 39 21	...	...	...	
	M	16 41 9	15	46	...	
	F	20 0 0	...	...	...	
,, 26th	A_E P	16 23 36	...	...	...	
	S	16 30 22	...	...	...	
	L	16 39 21	...	...	...	
	M	16 40 34	17	...	70	
	F	19 58 0	...	...	...	
,, 26th	A_N Pe	22 41 44	...	...	...	Very feeble shock.
	F	23 8 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
May 26th	A_E Pe	22 41 44	...	...	...	Very feeble shock.
	F	23 9 0	...	...	...	
,, 27th	A_N Pe	12 52 35	...	...	...	Do.
	F	13 8 0	...	...	...	
,, 27th	A_E Pe	12 52 35	...	...	...	Do.
	F	13 8 0	...	...	...	
,, 28th	A_N P	2 30 47	...	...	...	
	S	2 38 22	...	...	...	
	L	2 49 11	...	...	...	
	M	2 54 29	17	13	...	
	F	4 4 0	...	...	...	
28th	A_E P	2 30 47	...	...	...	
	S	2 38 22	...	...	...	
	L	2 49 11	...	...	...	
	M	2 57 0	17	...	7	
	F	4 4 0	...	...	...	
,, 31st	A_N Pe	15 21 9	...	...	...	Feeble shock.
	M	15 26 8	9	2	...	
	F	15 42 0	...	...	...	
,, 31st	A_E Pe	15 21 9	...	...	...	Do.
	M	15 25 58	10	...	2	
	F	15 49 0	...	...	...	
June 2nd	A_N Pe	18 58 32	...	...	...	Very feeble shock.
	F	19 22 0	...	...	...	
,, 2nd	A_E Pe	18 58 32	...	...	...	Do.
	F	19 22 0	...	...	...	
,, 3rd	A_N e	0 38 0	...	...	...	Tremors.
	f	1 5 0	...	...	...	
,, 3rd	A_E e	0 38 0	...	...	...	Do.
	f	1 12 0	...	...	...	
,, 3rd	A_N P	10 56 34	...	...	...	
	S	11 9 6	...	...	...	
	L	11 36 42	...	...	...	
	M	12 6 9	23	991	...	
	F	15 48 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
June 3rd	A_E P	10 56 34	...	...	...	
	S	11 9 6	...	...	...	
	L	11 36 42	...	...	...	
	M	12 7 27	23	...	599	
	F	15 50 0	...	...	...	
,, 3rd	A_N P	17 42 6	...	...	...	Feeble shock.
	F	18 16 0	...	...	...	
,, 3rd	A_E P	17 42 6	...	...	...	Do.
	F	18 16 0	...	...	...	
,, 5th	A_N e	10 20 0	...	...	...	Tremors.
	f	10 42 0	...	...	...	
,, 5th	A_E e	10 20 0	...	...	...	Do.
	f	10 42 0	...	...	...	
,, 5th	A_N e	13 18 0	...	...	...	Do.
	f	13 33 0	...	...	...	
,, 5th	A_E e	13 18 0	...	...	...	Do.
	f	13 33 0	...	...	...	
,, 6th	A_N P	6 41 16	...	...	...	Very feeble shock.
	F	6 57 0	...	...	...	
,, 6th	A_E P	6 41 16	...	...	...	Do.
	F	6 57 0	...	...	...	
,, 6th	A_N P	9 11 50	...	...	...	Distant feeble shock.
	F	10 55 0	...	...	...	
,, 6th	A_E P	9 12 2	...	...	...	Do.
	F	10 55 0	...	...	...	
,, 8th	A_N P	15 3 14	...	...	...	Feeble shock.
	S	15 11 7	...	...	...	
	L	15 27 2	...	...	...	
	F	15 49 0	...	...	...	
, 8th	A_E P	15 3 14	...	...	...	Do.
	S	15 11 7	...	...	...	
	L	15 27 2	...	...	...	
	F	15 44 0	...	...	...	
,, 10th	A_N P	20 31 14	...	...	...	
	S	20 38 23	...	...	...	
	L	20 48 12	...	...	...	
	F	21 21 0	...	...	...	
1932.		H. M. S.				
June 10th	A_E P	20 31 14	...	...	...	
	S	20 38 23	...	...	...	
	L	20 48 12	...	...	...	
	F	21 19 0	...	...	...	
,, 11th	A_N P	8 37 21	...	...	...	
	S	8 40 54	...	...	...	
	L	8 43 11	...	...	...	
	M	8 47 14	12	3	...	
	F	9 35 0	...	...	...	
,, 11th	A_E P	8 37 21	...	...	...	
	S	8 40 54	...	...	...	
	L	8 43 11	...	...	...	
	M	8 48 21	11	...	2	
	F	9 27 0	...	...	...	
,, 11th	A_N Pe	17 10 52	...	...	...	Very feeble shock.
	F	17 57 0	...	...	...	
,, 11th	A_E Pe	17 10 52	...	...	...	Do.
	F	17 59 0	...	...	...	
,, 13th	A_N P	21 5 41	...	...	...	
	S	21 12 26	...	...	...	
	L	21 21 11	...	...	...	
	M	21 25 15	13	5	...	
	F	22 11 0	...	...	...	
,, 13th	A_E P	21 5 41	...	...	...	
	S	21 12 26	...	...	...	
	L	21 21 11	...	...	...	
	M	21 28 7	14	6	...	
	F	22 13 0	...	...	...	
,, 14th	A_E P	6 7 54	...	...	...	Feeble shock.
	F	6 58 0	...	...	...	
,, 14th	A_E P	6 7 54	...	...	...	Do.
	F	6 58 0	...	...	...	
,, 14th	A_N Pe	11 26 40	...	...	...	Do.
	F	12 24 0	...	...	...	
,, 14th	A_E Pe	11 27 6	...	...	...	Do.
	F	12 25 0	...	...	...	
,, 16th	A_N P	1 24 42	...	...	...	
	S	1 29 27	...	...	...	
	L	1 32 56	...	...	...	
	M	1 33 31	8	7	...	
	F	3 23 0	...	...	...	
1932.		H. M. S.				
June 16th	A_E P	1 24 42	...	...	...	
	S	1 29 27	...	...	...	
	L	1 32 56	...	...	...	
	M	1 41 25	10	...	5	
	F	3 7 0	...	...	...	
,, 18th	A_N P	10 32 3	...	...	...	
	S	10 45 20	...	...	...	
	L	11 21 1	...	...	...	
	M	11 43 42	21	461	...	
	F	13 58 0	...	...	...	
,, 18th	A_E P	10 32 3	...	...	...	
	S	10 45 20	...	...	...	
	L	11 21 1	...	...	...	
	M	11 44 44	19	...	171	
	F	14 7 0	...	...	...	
,, 18th	A_N P	17 40 54	...	...	...	Feeble shock.
	F	18 32 0	...	...	...	
,, 18th	A_E P	17 40 54	...	...	...	Do.
	F	18 33 0	...	...	...	
,, 20th	A_N e	6 1 0	...	...	...	Tremors.
	f	6 19 0	...	...	...	
,, 20th	A_E e	6 1 0	...	...	...	Do.
	f	6 16 0	...	...	...	
,, 21st	A_N Pe	23 11 58	...	...	...	Very feeble shock.
	F	23 41 0	...	...	...	
,, 20th	A_E Pe	23 11 58	...	...	...	Do.
	F	23 39 0	...	...	...	
,, 22nd	A_N Pe	0 46 17	...	...	...	Feeble shock.
	F	1 32 0	...	...	...	
,, 22nd	A_E Pe	0 46 17	...	...	...	Do.
	F	1 32 0	...	...	...	
,, 22nd	A_N P	13 19 18	...	...	...	
	S	13 32 29	...	...	...	
	L	14 7 1	...	...	...	
	M	14 24 39	22	28	...	
	F	16 2 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
June 22nd	A_E P	13 19 18	...	...	...	
	S	13 32 29	...	...	...	
	L	14 7 1	...	...	...	
	M	14 24 11	20	...	21	
	F	16 5 0	...	...	...	
,, 26th	A_N P	19 30 19	...	...	...	
	S	19 39 25	...	...	...	
	L	19 55 15	...	...	...	
	M	20 2 51	16	4	...	
	F	20 31 0	...	...	...	
,, 26th	A_E P	19 30 19	...	...	...	
	S	19 39 25	...	...	...	
	L	19 55 15	...	...	...	
	M	20 6 17	15	...	3	
	F	20 34 0	...	...	...	
,, 29th	A_N Pe	18 31 8	...	...	...	Feeble shock.
	F	19 36 0	...	...	...	
,, 29th	A_E Pe	18 31 8	...	...	...	Do.
	F	19 28 0	...	...	...	
July 2nd	A_N Pe	2 29 44	...	...	...	Very feeble shock.
	F	3 11 0	...	...	...	
,, 2nd	A_E Pe	2 29 44	...	...	...	Do.
	F	3 9 0	...	...	...	
,, 5th	A_N P	11 1 13	...	...	...	
	S	11 5 43	...	...	...	
	L	11 8 55	...	...	...	
	F	11 52 0	...	...	...	
,, 5th	A_E P	11 1 13	...	...	...	
	S	11 5 43	...	...	...	
	L	11 8 55	...	...	...	
	F	11 47 0	...	...	...	
,, 7th	A_N Pe	16 37 55	...	...	...	Distant shock.
	M	17 39 43	21	14	...	
	F	18 52 0	...	...	...	
,, 7th	A_E Pe	16 37 55	...	...	...	Do.
	M	17 37 30	19	...	10	
	F	18 32 0	...	...	...	
,, 9th	A_N Pe	13 19 17	...	...	...	Feeble shock.
		14 7 0	...	...	...	

Date.	Phase.	Time. G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
July 9th	A_E Pe	13 19 17	...	...	...	Feeble shock.
	F	14 7. 0	...	...	...	
,, 12th	A_N Pe	20 3 55	...	...	...	
	M	20 51 7	21	22	...	
	F	21 51 0	...	...	...	
,, 12th	A_E Pe	20 3 55	...	...	...	
	M	20 43 41	25	...	17	
	F	21 44 0	...	...	...	
,, 15th	A_N e	21 26 0	...	...	...	Tremors.
	f	21 47 0	...	...	...	
,, 15th	A_E e	21 26 0	...	...	...	Do.
	f	21 47 0	...	...	...	
,, 16th	A_N P	21 4 48	...	...	...	
	S	21 9 8	...	...	...	
	L	21 13 9	...	...	...	
	M	21 19 25	14	5	...	
	F	22 28 0	...	...	...	
,, 16th	A_E P	21 4 48	...	...	...	
	S	21 9 8	...	...	...	
	L	21 13 9	...	...	...	
	M	21 18 11	15	...	8	
	F	22 19 0	...	...	...	
,, 20th	A_N Pe	20 27 55	...	...	...	Feeble shock.
	F	21 31 0	...	...	...	
,, 20th	A_E Pe	20 27 55	...	...	...	Do.
	F	21 31 0	...	...	...	
,, 21st	A_N P	12 50 49	...	...	...	
	S	12 59 38	...	...	...	
	L	13 14 12	...	...	...	
	F	13 45 0	...	...	...	
,, 21st	A_E P	12 50 49	...	...	...	
	S	12 59 38	...	...	...	
	L	13 14 12	...	...	...	
	F	13 55 0	..	...	...	
,, 21st	A_N e	17 20 0	...	...	...	Tremors.
	f	18 30 0	...	...	...	
,, 21st	A_E e	17 20 0	...	...	...	Do.
	f	18 30 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
July 25th	A_N e	8 38 0	...	...	...	Tremors.
	f	8 55 0	...	...	...	
,, 25th	A_E e	8 38 0	...	...	...	Do.
	f	8 49 0	...	...	...	
,, 25th	A_N P	9 34 57	...	...	...	
	S	9 47 32	...	...	...	
	L	10 18 47	...	...	...	
	M	10 43 22	19	16	...	
	F	11 55 0	...	...	...	
,, 25th	A_E P	9 34 57	...	...	...	
	S	9 47 32	...	...	...	
	L	10 18 47	...	...	...	
	M	10 44 49	17	...	9	
	F	11 41 0	...	...	...	
,, 27th	A_N P	21 29 53	...	...	...	
	S	21 38 2	...	...	...	
	L	21 49 38	...	...	...	
	F	22 23 0	...	...	...	
,, 27th	A_E P	21 29 53	...	...	...	
	S	21 38 2	...	...	...	
	L	21 49 38	...	...	...	
	F	22 23 0	...	...	...	
,, 29th	A_N P	21 7 36	...	...	...	Feeble shock.
	F	21 51 0	...	...	...	
,, 29th	A_E P	21 7 36	...	...	...	Do.
	F	21 51 0	...	...	...	
,, 30th	A_N P	12 23 5	...	...	...	
	S	12 29 46	...	...	...	
	L	12 37 20	...	...	...	
	F	13 19 0	...	...	...	
,, 30th	A_E P	12 23 5	...	...	...	
	S	12 29 46	...	...	...	
	L	12 37 20	...	...	...	
	F	13 11 0	...	...	...	
Aug. 1st	A_N P	6 12 1	...	...	...	
	S	6 13 45	...	...	...	
	L	6 14 30	...	...	...	
	F	6 37 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
Aug. 1st	A_E P	6 12 1	...	...	...	
	S	6 13 45	...	...	...	
	L	6 14 30	...	...	...	
	F	6 33 0	...	...	...	
,, 2nd	A_N Pe	4 32 39	...	...	...	Feeble shock.
	F	5 29 0	...	...	...	
,, 2nd	A_E Pe	4 32 39	...	...	...	Do.
	F	5 28 0	...	...	...	
,, 10th	A_N P	16 38 21	...	...	...	Very feeble shock.
	F	17 8 0	...	...	...	
,, 10th	A_E P	16 38 21	...	...	...	Do.
	F	17 6 0	...	...	...	
,, 12th	A_N P	3 37 7	...	...	...	
	S	3 47 37	...	...	...	
	L	4 9 29	...	...	...	
	M	4 22 29	20	17	...	
	F	6 12 0	...	...	...	
,, 12th	A_E P	3 37 7	...	...	...	
	S	3 47 37	...	...	...	
	L	4 9 29	...	...	...	
	M	4 23 15	21	...	18	
	F	6 23 0	...	...	...	
,, 13th	A_N Pe	21 21 42	...	...	...	Distant feeble shock.
	F	22 50 0	...	...	...	
,, 13th	A_E Pe	21 21 42	...	...	...	Do.
	F	22 55 0	...	...	...	
,, 14th	A_N P	4 44 24	...	...	...	
	S	4 48 17	...	...	...	
	L	4 50 37	...	...	...	
	M	4 50 52	11	157	...	
	F	7 11 0	...	...	...	
,, 14th	A_E P	4 44 24	...	...	...	
	S	4 48 17	...	...	...	
	L	4 50 37	...	...	...	
	M	4 55 52	11	...	70	
	F	6 58 0	...	...	...	
1932.		H. M. S.				
Aug. 14th	A_N P	7 15 36	...	...	...	
	S	7 19 37	...	...	...	
	L	7 21 52	...	...	...	
	M	7 22 59	5	5	...	
	F	7 42 0	...	...	...	
,, 14th	A_E P	7 15 36	...	...	...	
	S	7 19 37	...	...	...	
	L	7 21 52	...	...	...	
	M	Movements very small.				
	F	7 44 0	...	...	...	
,, 14th	A_N P	12 36 5	...	...	...	Feeble shock.
	M	12 50 25	14	3	...	
	F	13 44 0	...	...	...	
,, 14th	A_E P	12 36 5	...	...	...	Do.
	M	12 46 39	10	...	2	
	F	13 47 0	...	...	...	
,, 16th	A_N e	21 59 0	...	...	...	Tremors.
	f	22 17 0	...	...	...	
,, 16th	A_E e	21 59 0	...	...	...	Do.
	f	22 17 0	...	...	...	
,, 17th	A_N e	18 40 0	...	...	...	Do.
	f	19 5 0	...	...	...	
,, 17th	A_E e	18 40 0	...	...	...	Do.
	f	19 5 0	...	...	...	
,, 19th	A_N e	19 8 0	...	...	...	Do.
	f	19 24 0	...	...	...	
,, 19th	A_E e	19 8 0	...	...	...	Do.
	f	19 29 0	...	...	...	
,, 21st	A_N P	4 24 3	...	...	...	
	S	4 30 51	...	...	...	
	L	4 38 55	...	...	...	
	M	4 43 7	22	21	...	
	F	5 47 0	...	...	...	
,, 21st	A_E P	4 24 3	...	...	...	
	S	4 30 51	...	...	...	
	L	4 38 55	...	...	...	
	M	4 48 0	17	...	10	
	F	5 59 0	...	...	...	
1932.		H. M. S				
Aug. 22nd	A_N Pe	11 21 18	...	...	...	
	S	11 27 55	...	...	...	
	L	11 36 11	...	...	...	
	M	11 43 34	12	5	...	
	F	12 40 0	...	...	...	
,, 22nd	A_E Pe	11 21 18	...	...	...	
	S	11 27 55	...	...	...	
	L	11 36 11	...	...	...	
	M	11 42 44	12	...	6	
	F	12 38 0	...	...	...	
,, 23rd	A_N e	23 3 0	...	...	...	Tremors.
	f	23 16 0	...	...	...	
,, 23rd	A_E e	23 3 0	...	...	...	Do.
	f	23 1 0	...	...	...	
,, 24th	A_N P	12 18 53	...	...	...	Feeble shock.
	F	13 29 0	...	...	...	
,, 24th	A_E P	12 18 53	...	...	...	Do.
	F	13 36 0	...	...	...	
Sept. 3rd	A_N P	12 9 25	...	...	...	
	S	12 17 47	...	...	...	
	L	12 30 50	...	...	...	
	M	12 40 21	16	4	...	
	F	13 12 0	...	...	...	
,, 3rd	A_E P	12 9 25	...	...	...	
	S	12 17 47	...	...	...	
	L	12 30 50	...	...	...	
	M	12 42 0	15	...	4	
	F	13 20 0	...	...	...	
,, 8th	A_N P	7 29 41	...	...	...	
	S	7 33 16	...	...	...	
	L	7 35 30	...	...	...	
	M	7 40 5	9	4	...	
	F	8 28 0	...	...	...	
,, 8th	A_E P	7 29 41	...	...	...	
	S	7 33 16	...	...	...	
	L	7 35 30	...	...	...	
	M	7 41 7	10	...	3	
	F	8 17 0	...	...	...	
,, 9th	A_N P	7 0 52	...	...	...	Very feeble shock.
		7 38 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
Sept. 9th	A_E P	7 0 52	...	...	...	Very feeble shock.
	F	7 36 0	...	...	...	
,, 9th	A_N P	13 49 55	...	...	...	
	S	13 57 4	...	...	...	
	L	14 6 52	...	...	...	
	F	15 30 0	...	...	...	
	AE	Record extremely faint.				
,, 9th	A_N e	17 19 0	...	...	...	Tremors.
	f	18 34 0	...	...	...	
	AE	Record extremely faint.				
,, 11th	A_N	Record defective.				
,, 11th	A_E P	14 18 58	...	...	...	
	S	14 23 36	...	...	...	
	L	14 27 6	...	...	...	
	F	14 54 0	...	...	...	
,, 14th	A_N e	9 30 0	...	...	...	Tremors.
	f	9 51 0	...	...	...	
,, 14th	A_E e	9 30 0	...	...	...	Do.
	f	9 51 0	...	...	...	
,, 15th	A_N P	11 22 8	...	...	...	
	S	11 29 15	...	...	...	
	L	11 39 3	...	...	...	
	M	11 48 56	15	5	...	
	F	12 41 0	...	...	...	
,, 15th	A_E P	11 22 8	...	...	...	
	S	11 29 15	...	...	...	
	L	11 39 3	...	...	...	
	M	11 51 7	16	...	3	
	F	12 22 0	...	...	...	
,, 15th	A_N P	14 16 9	...	...	...	
	S	14 24 9	...	...	...	
	L	14 35 16	...	...	...	
	M	15 5 28	17	15	...	
	F	16 45 0	...	...	...	
,, 15th	A_E P	14 16 9	...	...	...	
	S	14 24 9	...	...	...	
	L	14 35 16	...	...	...	
	M	14 58 8	18	...	8	
	F	16 32 0	...	...	...	

Date.	Phase.	Time H. M. S.	Period (Sec.).	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
Sept. 20th	A_N P	15 48 35	...	...	...	
	S	15 52 42	...	...	...	
	L	15 55 23	...	...	...	
	M	16 4 18	11	3	...	
	F	17 9 0	...	...	...	
,, 20th	A_E P	15 48 35	...	...	...	
	S	15 52 42	...	...	...	
	L	15 55 23	...	...	...	
	M	16 2 11	9	...	1	
	F	16 48 0	...	...	...	
,, 23rd	A_N P	14 31 48	...	...	...	
	S	14 39 38	...	...	...	
	L	14 51 38	...	...	...	
	M	14 53 31	13	7	...	
	F	17 10 0	...	...	...	
,, 23rd	A_E P	14 31 48	...	...	...	
	S	14 39 38	...	...	...	
	L	14 51 38	...	...	...	
	M	14 58 59	15	...	5	
	F	16 49 0	...	...	...	
,, 25th	A_N Pe	22 49 44	...	...	...	Very feeble shock.
	F	23 7 0	...	...	...	
,, 25th	A_E Pe	22 49 44	...	...	...	Do.
	F	23 7 0	...	...	...	
,, 26th	A_N P	19 29 19	...	...		
	S	19 36 12	...	...		
	L, M, F	Record defective.				
,, 26th	A_E P	19 29 19	...	...	...	
	S	19 36 12	...	...	...	
	L	19 45 9	...	...	...	
	M	19 50 55	18	...	15	
	F	Mixed up with next shock.				
,, 26th	A_N	Record defective.				
,, 26th	A_E P	21 35 35	...	...	...	Feeble shock.
	S	21 42 29	...	...	...	
	Le	21 50 4	...	...	...	
	F	22 53 0	...	...	...	
,, 27th	A_N Pe	18 54 56	...	...	...	Very feeble shock.
	F	19 39 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks
1932.		H. M. S.				
Sept. 27th	A_E Pe	18 54 56	...	...	...	Very feeble shock.
	F	19 39 0	...	...	...	
,, 28th	A_N P	17 0 50	...	...	...	Do.
	F	17 49 0	...	...	...	
,, 28th	A_E P	17 0 50	...	...	...	Do.
	F	17 47 0	...	...	...	
,, 29th	A_N P	4 5 59	...	...	...	
	S	4 12 53	...	...	...	
	L	4 21 36	...	...	...	
	F	5 59 0	...	...	...	
,, 29th	A_E P	4 5 59	...	...	...	
	S	4 12 53	...	...	...	
	L	4 21 36	...	...	...	
	F	5 23 0	...	...	...	
,, 29th	A_N Pe	6 46 43	...	...	...	Feeble local shock.
	M	6 49 30	9	2	...	
	F	7 9 0	...	...	...	
,, 29th	A_E Pe	6 46 43	...	...	...	Do.
	M	6 49 19	5	...	1	
	F	7 12 0	...	...	...	
,, 29th	A_N e	14 39 0	...	...	...	Feeble tremors.
	f	15 7 0	...	...	...	
,, 29th	A_E e	14 39 0	...	...	...	Do.
	f	15 7 0	...	...	...	
,, 29th	A_N P	17 57 44	...	...	...	
	S	18 6 58	...	...	...	
	L	18 23 21	...	...	...	
	M	18 32 51	15	7	...	
	F	20 17 0	...	...	...	
,, 29th	A_E P	17 57 44	...	...	...	
	S	18 6 58	...	...	...	
	L	18 23 21	...	...	...	
	M	18 31 15	14	3	...	
	F	20 12 0	...	...	...	
,, 30th	A_N Pe	6 20 42	...	...	...	Very feeble shock.
	F	6 36 0	...	...	...	
,, 30th	A_E Pe	6 20 42	...	...	...	Do.
	F	6 36 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
Oct. 1st	A_N Pe	20 21 2	...	...	...	Feeble shock.
	F	20 46 0	...	...	...	
„ 1st	A_E Pe	20 21 2	...	...	...	Do.
	F	20 46 0	...	...	...	
„ 2nd	A_N Pe	3 17 26	...	...	...	Very feeble shock.
	F	Mixed up with the next shock.				
„ 2nd	A_E Pe	3 17 26	...	...	...	Do.
	F	Mixed up with the next shock.				
„ 2nd	A_N Pe	3 27 14	...	...	...	
	S	3 31 29	...	...	...	
	L	3 34 37	...	...	...	
	M	3 37 38	16	23	...	
	F	Mixed up with the next shock.				
„ 2nd	A_E Pe	3 27 14	...		...	
	S	3 31 29	...	...	...	
	L	3 34 37			[illegible]	
	M	3 37 7	11	...	5	
	F	Mixed up with the next shock.				
„ 2nd	A_N Pe	4 11 53	...	...	...	
	M	4 30 6	20	10	...	
	F	5 37 0	...	...	...	
„ 2nd	A_E Pe	4 11 53	...	...	...	
	M	4 31 23	20	...	6	
	F	5 20 0	...	...	...	
„ 9th	A_N P	12 58 12	...	...	...	Feeble shock.
	F	13 58 0	...	...	...	
„ 9th	A_E P	12 58 12	...	...	...	Do.
	F	13 56 0	...	...	...	
„ 11th	A_N P	19 27 52	...	...	...	Very feeble shock.
	F	19 38 0	...	...	...	
„ 11th	A_E P	19 27 52	...	...	...	Do.
	F	19 38 0	...	...	...	
„ 12th	A_N e	20 16 0	...	...	...	Tremors.
	f	20 33 0	...	...	...	
„ 12th	A_E e	20 16 0	...	...	...	Do.
	f	20 33 0	...	...	...	

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
Oct. 13th	A_N Pe	13 58 51	...	...	...	Very feeble shock.
	F	14 14 0	...	...	...	
„ 13th	A_E Pe	13 58 51	...	...	...	Do.
	F	14 14 0	...	...	...	
„ 14th	A_N P	1 59 49	.	...	...	Feeble shock.
	S	2 2 5	...	...	...	
	L	2 2 51	...	...	...	
	F	2 16 0	...	...	...	
„ 14th	A_E P	1 59 49	...	...	...	Do.
	S	2 2 5	...	...	...	
	L	2 2 51	...	...	...	
	F	2 16 0	...	...	...	
„ 16th	A_N P	12 21 23	...	...	...	
	S	12 31 55	...	...	...	
	L	12 53 54	...	...	...	
	M	13 8 14	18	18	...	
	F	15 1 0	...	...	...	
„ 16th	A_E P	12 21 23	...	...	...	
	S	12 31 55	...	...	...	
	L	12 53 54	...	...	...	
	M	13 6 48	18	...	7	
	F	14 54 0	...	...	...	
„ 17th	A_N P	13 38 4	...	...	...	Feeble shock.
	F	15 2 0	...	...	...	
„ 17th	A_E P	13 38 4	...	...	...	Do.
	F	15 1 0	...	...	...	
„ 18th	A_N P	4 18 48	...	...	...	Do.
	F	5 6 0	...	...	...	
„ 18th	A_E P	4 18 48	...	...	...	Do.
	F	5 0 0	...	...	...	
„ 23rd	A_N Pe	0 27 2	...	...	...	Very feeble shock.
	F	Mixed up with the next shock.				
„ 23rd	A_E Pe	0 27 2	...	...	...	Do.
		Mixed up with the next shock.				
„ 23rd	A_N Pe	1 7 2	...	...	...	Feeble shock.
	F	1 51 0	...	...	...	

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Amplitude (μ) A_N	Amplitude (μ) A_N	Remarks.
1932.		H. M. S.				
Oct. 23rd	A_E Pe	1 7 2	...	...	...	Feeble Shock.
	F	2 3 0	...	...	...	
„ 23rd	A_N Pe	13 42 42	...	...	...	Very feeble shock.
	F	14 10 0	...	...	...	
„ 23rd	A_E Pe	13 42 42	...	...	...	Do.
	F	14 10 0	...	...	...	
„ 23rd	A_N P	21 36 13	...	...	...	Feeble shock.
	F	22 25 0	...	...	...	
„ 23rd	A_E P	21 36 13	...	...	...	Do.
	F	22 25 0	...	...	...	
„ 25th	A_N P	17 20 10	...	...	...	Do.
	F	17 57 0	...	...	...	
„ 25th	A_E P	17 20 10	...	...	...	Do.
	F	17 53 0	...	...	...	
„ 27th	A_N P	1 11 11	...	...	...	Very feeble shock.
	F	1 33 0	...	...	...	
„ 27th	A_E P	1 11 15	...	...	...	Do.
	F	1 33 0	...	...	...	
„ 27th	A_N Pe	23 42 40	...	...	...	Do.
„ 28th	F	0 5 0	...	...	...	
„ 27th	A_E Pe	23 42 40	...	...	...	Do.
„ 28th	F	0 5 0	...	...	...	
„ 28th	A_N P	11 18 54	...	...	...	Feeble shock.
	F	12 2 0	...	...	...	
„ 28th	A_E P	11 18 54	...	...	...	Do.
	F	12 2 0	...	...	...	
„ 29th	A_N P	10 7 59	...	...	...	Very feeble shock.
	F	10 22 0	...	...	...	
„ 29th	A_E P	10 7 59	...	...	...	Do.
	F	10 22 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time. G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_N	Remarks.
1932.		H. M. S.				
Oct. 29th	A_N P	11 13 26	...	...	...	
	S	11 17 21	...	...	...	
	L	11 19 59	...	...	...	
	M	11 21 31	15	47	...	
	F	13 32 0	...	...	...	
,, 29th	A_E P	11 13 26	...	...	...	
	S	11 17 21	...	...	...	
	L	11 19 59	...	...	...	
	M	11 20 20	10	...	13	
	F	13 20 0	...	...	...	
,, 30th	A_N P	21 0 22	...	...	...	Distant shock.
	M	21 47 8	17	9	...	
	F	23 33 0	...	...	...	
,, 30th	A_E P	21 0 22	...	...	...	Do.
	M	21 45 39	22	...	5	
	F	23 9 0	...	...	...	
Nov. 2nd	A_N P	11 23 40	...	...	...	Do.
	F	13 33 0	...	...	...	
,, 2nd	A_E P	11 23 40	...	...	...	Do.
	F	13 20 0	...	...	...	
,, 3rd	A_N P	19 53 45	...	...	...	Feeble shock.
	S	20 2 36	...	...	...	
	F	20 39 0	...	...	...	
,, 3rd	A_E P	19 53 45	...	...	...	Do.
	S	20 2 36	...	...	...	
	F	20 37 0	...	...	...	
,, 6th	A_N Pe	6 51 39	...	...	...	Very feeble shock.
	F	7 16 0	...	...	...	
,, 6th	A_E Pe	6 51 39	...	...	...	Do.
	F	7 16 0	...	...	...	
,, 8th	A_N e	1 29 0	...	...	...	Tremors.
	f	1 46 0	...	...	...	
,, 8th	A_E e	1 29 0	...	...	...	
	f	1 42 0	...	...	...	
,, 9th	A_N P	18 34 43	...	...	...	
	S	18 38 13	...	...	...	
	L	18 40 14	...	...	...	
	M	18 40 36	7	25	...	
	F	19 46 0	...	...	...	

Date.	Phase.	Time. G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
Nov. 9th	A_E	Instrument under adjustment.				
,, 10th	A_N Pe	2 12 4	...	...	...	Very feeble shock.
	F	2 35 0	...	...	...	
,, 10th	A_E	Instrument under adjustment.				
,, 10th	A_N Pe	6 26 45	...	...	...	Do.
	F	6 38 0	...	...	...	
,, 10th	A_E Pe	6 26 45	...	...	...	Do.
	F	6 38 0	...	...	...	
,, 10th	A_N Pe	13 12 29	...	...	...	Do.
	F	Mixed up with the next shock.				
,, 10th	A_E Pe	13 12 29	...	...	...	Do.
	F	Mixed up with the next shock.				
,, 10th	A_N Pe	13 25 28	...	...	...	Feeble shock.
	F	13 43 0	...	...	...	
,, 10th	A_E Pe	13 25 28	...	...	...	Do.
	F	13 43 0	...	...	...	
,, 13th	A_N P	4 56 25	...	...	...	
	S	5 4 1	...	...	...	
	L	5 15 12	...	...	...	
	M	5 16 17	14	10	...	
	F	7 1 0	...	...	...	
,, 13th	A_E P	4 56 25	...	...	...	
	S	5 4 1	...	...	...	
	L	5 15 12	...	...	...	
	M	5 16 26	14	...	9	
	F	7 12 0	...	...	...	
,, 13th	A_N Pe	16 1 21	...	...	...	Do.
	F	17 13 0	...	...	...	
,, 13th	A_E Pe	16 1 21	...	...	...	Do.
	F	17 13 0	...	...	...	
,, 14th	A_N P	0 44 42	...	...	...	Very feeble shock.
	F	1 13 0	...	...	...	
,, 14th	A_E P	0 44 42	...	...	...	
	F	1 11 0	...	...	...	
,, 14th	A_N Pe	21 34 41	...	...	...	Do
	F	21 55 0	...	...	...	

Date.	Phase.	Time. G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
Nov. 14th	A_E Pe	21 34 41	...	...	...	Very feeble shock.
	F	21 52 0	...	...	...	
,, 16th	A_N P	6 29 44	...	...	...	Do.
	F	6 55 0	...	...	...	
,, 16th	A_E P	6 29 44	...	...	...	Do.
	F	6 55 0	...	...	...	
,, 17th	A_N e	6 26 0	...	...	...	Tremors.
	f	8 14 0	...	...	...	
,, 17th	A_E e	6 26 0	...	...	...	Do.
	f	8 8 0	...	...	...	
,, 18th	A_N P	13 55 57	...	...	...	
	S	14 2 57	...	...	...	
	L	14 12 7	...	...	...	
	F	15 20 0	...	...	...	
,, 18th	A_E P	13 55 57	...	...	...	
	S	14 2 57	...	...	...	
	L	14 12 7	...	...	...	
	F	15 19 0	...	...	...	
,, 19th	A_N P	21 8 44	...	...	...	Very feeble shock.
	F	21 25 0	...	...	...	
,, 19th	A_E P	21 8 44	...	...	...	Do.
	F	21 27 0	...	...	...	
,, 20th	A_N Pe	19 19 14	...	...	...	Do.
	F	19 29 0	...	...	...	
,, 20th	A_E Pe	19 19 14	...	...	...	Do
	F	19 32 0	...	...	...	
,, 21st	A_N Pe	14 54 34	...	...	...	Do.
	F	15 13 0	...	...	...	
,, 21st	A_E Pe	14 54 34	...	...	...	Do
	F	15 13 0	...	...	...	
,, 22nd	A_N P	15 1 11	...	...	...	
	S	15 9 4	...	...	...	
	L	15 20 26	...	...	...	
	F	16 0 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks
1932.		H. M. S				
Nov. 22n	A_E P	15 1 11	...	...	...	
	S	15 9 4	...	...	...	
	L	15 20 26	...	...	...	
	F	15 58 0	...	...	...	
,, 24th	A_N P	10 45 21	...	...	...	Very feeble loca shock.
	F	10 52 0	...	...	...	
,, 24th	A_E P	10 45 21	...	...	...	Do.
	F	10 51 0	...	...	...	
,, 26th	A_N P	4 34 24	...	...	...	
	S	4 42 44	...	...	...	
	L	4 55 36	...	...	...	
	M	5 2 10	15	5	...	
	F	6 7 0	...	...	...	
,, 26th	A_E P	4 34 24	...	...	...	
	S	4 42 44	...	...	...	
	L	4 55 36	...	...	...	
	M	5 3 13	17	...	7	
	F	6 7 0	...	...	...	
,, 27th	A_N P	3 47 52	...	...	...	Feeble shock.
	F	4 51 0	...	...	...	
,, 27th	A_E P	3 47 52	...	...	...	Do.
	F	4 52 0	...	...	...	
,, 27th	A_N e	9 43 0	...	...	...	Tremors.
	f	10 14 0	...	...	...	
,, 27th	A_E e	9 50 0	...	...	...	Do.
	f	10 15 0	...	...	...	
,, 28th	A_N e	21 59 0	...	...	...	Do
	f	22 21 0	...	...	...	
,, 28th	A_E e	21 59 0	...	...	...	Do
	f	22 28 0	...	...	...	
,, 29th	A_N Pe	2 6 39	...	...	...	Feeble shock.
	F	3 4 0	...	...	...	
,, 29th	A_E Pe	2 6 39	...	...	...	Do.
	F	3 6 0	...	...	...	
,, 29th	A_N e	7 11 0	...	...	...	Tremors.
	f	7 26 0	...	...	...	
1932.		H. M. S.				
Nov. 29th	A_E e	7 11 0	...	...	...	Tremors.
	f	7 38 0	...	...	...	
,, 29th	A_N P	11 30 39	...	...	...	
	Se	11 40 32	...	...	...	
	L	11 59 28	...	...	...	
	M	12 30 19	22	8	...	
	F	13 46 0	...	...	...	
,, 29th	A_E P	11 30 39	...	...	...	
	Se	11 40 32	...	...	...	
	L	11 59 28	...	...	...	
	M	12 27 10	24	...	12	
	F	13 53 0	...	...	...	
,, 30th	A_N Pe	2 11 1	...	...	...	Very feeble shock.
	F	2 38 0	...	...	...	
,, 30th	A_E Pe	2 11 1	...	...	...	Do.
	F	2 35 0	...	...	...	
,, 30th	A_N e	4 7 0	...	...	...	Tremors.
	f	Mixed up with the next shock.				
,, 30th	A_E e	4 7 0	...	...	...	Do.
	f	Mixed up with the next shock.				
,, 30th	A_N P	4 15 38	...	...	...	Feeble shock.
	F	4 59 0	...	...	...	
,, 30th	A_E P	4 15 38	...	...	...	Do.
	F	4 59 0	...	...	...	
,, 30th	A_N P	8 13 21	...	...	...	Do.
	F	8 33 0	...	...	...	
,, 30th	A_E P	8 13 21	...	...	...	Do.
	F	8 33 0	...	...	...	
,, 30th	A_N e	15 3. 0	...	...	...	Tremors.
	f	15 23 0	...	...	...	
,, 30th	A_E e	15 3 0	...	...	...	Do.
	f	15 23 0	...	...	...	
,, 30th	A_N P	17 1 12	...	...	...	
	S	17 4 44	...	...	...	
	L	17 6 10	...	...	...	
	F	17 27 0	...	...	...	
1932.		H. M. S.				
Nov. 30th	A_E P	17 1 12	...	...	...	
	S	17 4 44	...	...	...	
	L	17 6 10	...	...	...	
	F	17 32 0	...	...	...	
Dec. 3rd	A_N e	7 12 0	...	...	...	Tremors.
	f	8 5 0	...	...	...	
,, 3rd	A_E e	7 12 0	...	...	...	Do.
	f	8 5 0	...	...	...	
,, 3rd	A_N e	9 24 0	...	...	...	Do.
	f	9 46 0	...	...	...	
,, 3rd	A_E e	9 24 0	...	...	...	Do.
	f	9 46 0	...	...	...	
,, 3rd	A_N Pe	17 45 44	...	...	...	Distant feeble shock.
	F	19 18 0	...	...	...	
,, 3rd	A_E Pe	17 45 44	...	...	...	Do.
	F	19 19 0	...	...	...	
,, 4th	A_N Pe	4 17 29	...	...	...	Do.
	F	5 27 0	...	...	...	
,, 4th	A_E Pe	4 17 29	...	...	...	Do.
	F	5 39 0	...	...	...	
,, 4th	A_N P	8 20 10	...	...	...	
	S	8 27 20	...	...	...	
	L	8 37 23	...	...	...	
	M	8 42 20	22	68	...	
	F	Mixed up with the next shock.				
,, 4th	A_E P	8 20 10	...	...	...	
	S	8 27 20	...	...	...	
	L	8 37 23	...	...	...	
	M	8 42 57	22	...	104	
	F	Mixed up with the next shock.				
,, 4th	A_N P	10 41 54	...	...	...	
	S	10 48 59	...	...	...	
	L	10 58 58	...	...	...	
	M	11 10 26	14	4	...	
	F	12 23 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
Dec. 4th	A_E P	10 41 54	...	...	...	
	S	10 48 59	...	...	...	
	L	10 58 58	...	...	...	
	M	11 4 49	20	...	11	
	F	12 21 0	...	...	...	
,, 7th	A_N P	16 41 44	...	...	...	Distant shock.
	M	17 52 58	16	8	...	
	F	19 17 0	...	...	...	
,, 7th	A_E P	16 41 44	...	...	...	Do.
	M	17 54 13	18	...	9	
	F	19 12 0	...	...	...	
,, 8th	A_N Pe	15 27 34	...	...	...	
	S	15 36 5	...	...	...	
	Le	15 51 42	...	...	...	
	M	15 58 17	12	3	...	
	F	16 25 0	...	...	...	
,, 8th	A_E Pe	15 27 34	...	...	...	
	S	15 36 5	...	...	...	
	Le	15 49 13	...	...	...	
	M	15 58 19	11	...	1	
	F	16 29 0	...	...	...	
,, 9th	A_N P	8 54 41	...	...	...	Distant feeble shock.
	F	10 26 0	...	...	...	
,, 9th	A_E P	8 54 41	...	...	...	Do.
	F	10 31 0	...	...	...	
,, 10th	A_N Pe	5 15 44	..	...	...	Feeble shock.
	F	6 15 0	...	...	...	
,, 10th	A_E Pe	5 15 44	...	...	...	Do.
	F	6 14 0	...	...	...	
,, 10th	A_N e	10 30 0	...	...	...	Tremors.
	f	11 51 0	...	...	...	
,, 10th	A_E e	10 30 0	...	...	...	Do.
	f	11 53 0	...	...	...	
,, 11th	A_N P	4 31 4	...	...	...	
	S	4 35 19	...	...	...	
	L	4 37 55	...	...	...	
	M	4 49 30	11	4	...	
	F	6 26 0	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.				
Dec. 11th	A_E P	4 31 4	...	...	...	
	S	4 35 19	...	...	...	
	L	4 37 55	...	...	...	
	M	4 43 30	14	...	5	
	F	6 26 0	...	...	...	
,, 11th	A_N Pe	7 41 20	...	...	...	Feeble shock.
	F	8 19 0	...	...	...	
,, 11th	A_E Pe	7 47 20	...	...	...	Do.
	F	8 16 0	...	...	...	
,, 13th	A_N Pe	14 47 39	...	...	...	Very feeble shock.
	F	15 8 0	...	...	...	
,, 13th	A_E Pe	14 47 39	...	...	...	Do.
	F	15 3 0	...	...	...	
,, 14th	A_N Pe	0 55 39	...	...	...	Do.
	F	1 13 0	...	...	...	
,, 14th	A_E Pe	0 55 39	...	...	...	Do.
	F	1 13 0	...	...	...	
,, 15th	A_N P	19 42 3	...	...	...	
	S	19 48 38	...	...	...	
	L	19 55 36	...	...	...	
	M	20 5 11	12	4	...	
	F	20 39 0	...	...	...	
,, 15th	A_E P	19 42 3	...	...	...	
	S	19 48 38	...	...	...	
	L	19 55 56	...	...	...	
	M	20 7 58	14	...	5	
	F	20 40 0	...	...	...	
,, 15th	A_N	Loss of record.				
,, 16th	A_E Pe	22 8 41	...	...	...	Very feeble shock.
	F	22 23 0	...	...	...	
,, 16th	A_N Pe	7 23 40	...	...	...	Feeble shock.
	F	8 7 0	...	...	...	
,, 16th	A_E Pe	7 23 40	...	...	...	Do.
	F	7 59 0	...	...	...	
,, 17th	A_N P	9 4 59	...	...	...	
	S	9 8 48	...	...	...	
	L	9 11 24	...	...	...	
	F	9 35 0	...			

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks
1932.		H. M. S.				
Dec. 17th	A_E P	9 4 59	...	...	...	
	S	9 8 48	...	...	...	
	L	9 11 24	...	...	...	
	F	9 33 0	...	...	...	
,, 18th	A_N e	7 14 0	...	...	...	Tremor
	f	7 45 0	...	...	...	
,, 18th	A_E e	7 15 0	...	...	...	Do.
	f	7 46 0	...	...	...	
,, 19th	A_N e	7 50 0	...	...	...	Tremors.
	f	8 12 0	...	...	...	
,, 19th	A_E e	7 49 0	...	...	...	Do.
	f	8 13 0	...	...	...	
,, 20th	A_N Pe	12 51 23	...	...	...	Very feeble shock.
	F	13 27 0	...	...	...	
20th	A_E Pe	12 51 23	...	...	...	Do.
	F	13 25 0	...	...	...	
,, 20th	A_N Pe	22 35 8	...	...	...	Do.
	F	22 52 0	...	...	...	
,, 20th	A_E Pe	22 35 8	...	...	...	Do.
	F	22 46 0	...	...	...	
,, 21st	A_N P	4 51 29	...	...	...	
	S	4 52 59	...	...	...	
	L	4 53 47	...	...	...	
	M	4 55 2	7	3	...	
	F	5 19 0	...	...	...	
,, 21st	A_E P	4 51 29	...	...	...	
	S	4 52 59	...	...	...	
	L	4 53 47	...	...	...	
	M	4 54 27	10	...	3	
	F	5 19 0	...	...	...	
,, 21st	A_N P	5 30 29	...	...	...	
	S	6 42 6	...	...	...	
	L	7 5 49	..	...	...	
	M	7 17 14	25	26	...	
	F	10 2 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S				
Dec. 21st	A_E P	6 30 29	...	...	...	
	S	6 42 6	...	...	...	
	L	7 5 49	...	...	...	
	M	7 14 29	30	...	104	
	F	9 53 0	...	...	...	
,, 22nd	A_N P	3 32 46	...	...	...	Very feeble shock.
	F	4 1 0	...	...	...	
,, 22nd	A_E P	3 32 46	...	...	...	Do.
	F	4 3 0	...	...	...	
,, 23rd	A_N Pe	18 30 50	...	...	...	Do.
	F	19 5 0	...	...	...	
,, 23rd	A_E Pe	18 30 50	...	...	...	Do.
	F	19 6 0	...	...	...	
,, 24th	A_N Pe	4 26 44	...	...	...	
	M	4 33 5	11	4	...	
	F	4 56 0	...	...	...	
,, 24th	A_E Pe	4 26 44	...	...	...	
	M	4 32 44	13	...	3	
	F	5 1 0	...	...	...	
,, 24th	A_N Pe	5 21 16	...	...	...	Feeble shock.
	F	5 49 0	...	...	...	
,, 24th	A_E Pe	5 21 16	...	...	...	Do
	F	6 2 0	...	...	...	
, 24th	A_N P	6 42 18	...	...	...	
	S	6 51 58	...	...	...	
	L	7 8 14	...	...	...	
	M	Movements small.				
	F	9 16 0	...	...	...	
,, 24th	A_E P	6 42 18	...	...	...	
	S	6 51 58	...	...	...	
	L	7 8 14	...	...	...	
	M	7 20 12	16	...	5	
	F	9 29 0	...	...	...	
,, 24th	A_N P	23 41 20	...	...	...	Very feeble shock.
,, 25th	F	0 4 0	...	...	...	
,, 24th	A_E P	23 41 20	...	...	...	Do.
25th	F	0 6 0	...	...	...	
1932.		H. M. S.				
Dec. 25th	A_N P	2 10 23	...	...	...	
	S	2 15 17	...	...	...	
	L	2 19 2	...	...	...	
	M	2 24 3	15	371	...	
	F	Mixed up with the next shock.				
,, 25th	A_E P	2 10 23	...	...	...	
	S	2 15 17	...	...	...	
	L	2 19 2	...	...	...	
	M	2 24 43	15	...	268	
	F	Mixed up with the next shock.				
,, 25th	A_N P	6 19 0	...	...	...	Feeble shock.
	M	6 27 46	9	3	...	
	F	6 57 0	...	...	...	
,, 25th	A_E P	6 19 0	...	...	...	Do.
	M	6 26 56	11	...	2	
	F	6 49 0	...	...	...	
,, 25th	A_N Pe	7 55 20	...	...	...	Do.
	M	8 18 28	10	2	...	
	F	8 38 0	...	...	...	
,, 25th	A_E Pe	7 55 20	...	...	...	Do
	M	8 18 3	11	...	2	
	F	8 37 0	...	...	...	
,, 25th	A_N Pe	11 24 43	...	...	...	Do.
	M	11 37 36	7	2	...	
	F	11 57 0	...	...	...	
,, 25th	A_E Pe	11 24 43	...	...	...	Do.
	M	11 37 55	8	...	1	
	F	11 50 0	...	...	...	
,, 25th	A_N P	12 32 5	...	...	...	
	M	12 44 50	10	3	...	
	F	13 6 0	...	...	...	
,, 25th	A_E P	12 32 5	...	...	...	
	M	12 44 58	9	...	2	
	F	13 12 0	...	...	...	
,, 25th	A_N e	23 33 0	...	...	...	Tremors.
	f	23 43 0	...	...	...	
,, 25th	A_E e	23 33 0	...	...	...	Do.
	f	23 43 0	...	...	...	
,, 26th	A_N Pe	7 55 42	...	...	...	Feeble shock.
	F	8 16 0	...	...	...	
1932.		H. M. S.				
Dec. 26th	A_E Pe	7 55 42	...	...	...	Feeble shock.
	F	8 18 0	...	...	...	
,, 26th	A_N P	8 17 24	...	...	...	Do.
	F	8 35 0	...	...	...	
,, 26th	A_E P	8 17 24	...	...	...	Do.
	F	8 35 0	...	...	...	
,, 26th	A_N P	9 12 42	...	...	...	Do
	F	9 50 0	...	...	...	
,, 26th	A_E P	9 12 42	...	...	...	Do
	F	9 50 0	...	...	...	
,, 26th	A_N e	19 18 0	...	...	...	Tremors.
	f	19 41 0	...	...	...	
,, 26th	A_E e	19 18 0	...	...	...	Do.
	f	19 38 0	...	...	...	
,, 26th	A_N e	19 58 0	...	...	...	Do.
	f	20 11 0	...	...	...	
,, 26th	A_E e	19 58 0	...	...	...	Do.
	f	20 13 0	...	...	...	
,, 26th	A_N P	21 23 15	...	...	...	
	S	21 29 58	...	...	...	
	L	21 39 19	...	...	...	
	F	22 17 0	...	...	...	
,, 26th	A_E P	21 23 15	...	...	...	
	S	21 29 58	...	...	...	
	L	21 39 19	...	...	...	
	F	22 19 0	...	...	...	
	A_N P	22 41 21	...	...	...	Very feeble shock.
	F	23 0 0	...	...	...	
	A_E P	22 41 21	...	...	...	Do
	F	23 0 9	...	...	...	
,, 27th	A_N P	23 32 27	...	...	...	Do.
	F	23 54 0	...	...	...	
,, 27th	A_E P	23 32 27	...	...	...	Do.
	F	23 54 0	...	...	...	
,, 28th	A_N e	0 46 0	...	...	...	Tremors.
	f	1 3 0	...	...	...	

TABLE E 2—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.	Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.	Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Remarks.
1932.		H. M. S.					1932.		H. M. S.					1932.		H. M. S.				
Dec. 28th	A_E e	0 46 0	...	...	...	Tremors.	Dec. 28th	A_E e	16 21 0	...	...	...	Tremors.	Dec. 31st	A_E e	1 48 0	...	...	...	Tremors.
	f	1 1 0	...	...	...			f	16 32 0	...	...	...			f	2 3 0	...	...	...	
,, 28th	A_N P	8 36 43	...	...	...	Feeble shock.	,, 30th	A_N e	0 32 0	...	...	...	Do.	,, 31st	A_N P	6 41 13	...	...	...	
	F	9 3 0	...	...	...			f	0 51 0	...	...	...			S	6 49 30	...	...	...	
,, 28th	A_E P	8 36 43	...	...	...	Do.	,, 30th	A_E e	0 32 0	...	...	...	Do.		L	7 1 51	...	...	...	
	F	9 6 0	...	...	...			f	0 57 0	...	...	...			M	7 7 9	18	10	...	
,, 28th	A_N P	10 44 47	...	...	...	Do.	,, 30th	A_N P	21 29 35	...	...	...	Feeble shock.		F	8 29 0	...	...	...	
	F	11 7 0	...	...	...			F	21 59 9	...	...	...		,, 31st	A_E P	6 41 13	...	...	...	
,, 28th	A_E P	10 44 47	...	...	...	Do.	,, 30th	A_E P	21 29 35	...	...	...	Do.		S	6 49 30	...	...	...	
	F	11 2 0	...	...	...			F	21 58 0	...	...	...			L	7 1 51	...	...	...	
,, 28th	A_N e	16 21 0	...	...	...	Tremors.	,, 31st	A_N e	1 48 0	...	...	...	Tremors		M	7 7 21	21	...	14	
	f	16 32 0	...	...	...			f	Lost in shifting time.						F	8 35 0	...	...	...	

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STATION—CALCUTTA (ALIPORE).

$\varphi = 22° 32' N$; $\lambda = 88° 20' E$; $h = 7 \cdot 1$ metres for Milne Shaw Seismograph. *Subsoil*—Alluvial.
$h = 6 \cdot 4$ meters for Omori Seismographs.

Apparatus.—(*i*) Milne Shaw Seismograph (A_N Instrument).
(*ii*) Omori Ewing Seismograph (A_N Instrument).
(*iii*) Omori Ewing Seismograph (A_E Instrument).

TABLE E. 3.

	V	To	G	$\frac{1}{To^2}$
Milne Shaw A_N	250	12 Secs.		
Omori A_E	29	29 Secs.		
Omori A_N	29	30 Secs.	20 : 1	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Distance (km.)	Remarks.
1932.		H. M. S.					
	A_N	Milne Shaw Seismograph.					
Jan. 3rd	P	7 52 32	5	...	...	1100	Slight shock.
	S	7 54 32	6	...	...	...	
	L	7 55 17	10	...	...	...	
	F	Uncertain.	...	...	...	...	
„ 4th	P	11 56 34	5	...	...	1600	Do.
	S	11 59 13	6	...	...	...	
	L	12 0 25	8	...	...	...	
	F	Uncertain.	...	...	...	...	
„ 5th	P	2 19 42	5	...	...	14500	Do.
	S	2 33 28	6	...	...	...	
	L	3 9 28	20	...	...	...	
	F	4 6 39	...	...	...	...	
„ 5th	P	5 29 46	4	...	...	450	Do.
	S	5 30 34	6	...	...	...	
	L	5 30 52	8	...	...	...	
	F	5 48 52	...	...	...	...	
„ 6th	P	17 4 11	6	...	...	4200	Do.
	S	17 10 11	8	...	...	...	
	L	17 16 35	20	...	...	...	
	F	17 36 35	...	...	...	...	
„ 8th	P	5 56 54	5	...	...	1500	Do.
	S	5 59 24	6	...	...	...	
	L	6 0 29	8	...	...	...	
	F	6 27 44	...	...	...	...	
„ 9th	P	10 32 10	4	...	...	3200	Do.
	S	10 37 10	8	...	...	...	
	L	10 40 52	14	...	...	...	
	M	10 43 59	...	...	...	...	
	F	12 3 22	...	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Distance (km.)	Remarks.
1932.		H. M. S.					
	A_E	Omori Ewing (Seismograph.)					
Jan. 11th	P	9 16 21	4	...	...	700	Slight shock.
	S	9 17 40	6	...	...	...	
	L	9 18 1	8	...	...	...	
	F	Uncertain.	...	...	...	...	
	A_N	Omori Ewing (Seismograph.)					
„ 11th	P	9 16 14	4	...	...	700	
	S	9 17 32	6	...	...	...	
	L	9 17 53	8	...	...	...	
	F	Uncertain	...	...	...	...	
	A_N	Milne Shaw (Seismograph.)					
„ 13th	P	6 56 41	4	...	...	700	Slight shock.
	S	6 57 51	6	...	...	...	
	L	6 58 11	8	...	...	...	
	F	7 15 23	...	...	...	...	
„ 13th	P	16 38 15	6	...	...	7300	Do.
	S	16 47 1	8	...	...	...	
	L	17 12 7	15	...	...	...	
	F	17 24 37	...	...	...	...	
„ 18th	P	20 29 51	7	...	...	3300	Do.
	S	20 34 48	8	...	...	...	
	L	20 39 19	15	...	...	...	
	F	21 19 19	...	...	...	...	
„ 19th	P	13 35 38	4	...	...	450	Do.
	S	13 36 26	Uncertain.	...	...	...	
	L	13 36 50	7	...	...	...	
	F	13 51 50	...	...	...	...	
	A_E	Omori Ewing (Seismograph.)					
„ 21st	P	13 47 10	Uncertain.	...	...	300	Do.
	S	13 47 46	„	...	...	...	
	L	13 48 5	„	...	...	...	
	F	Uncertain.	...	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.)	Amplitude (μ) A_N	Amplitude (μ) A_E	Distance (km.)	Remarks.
1932.		H. M. S.					
	A_N	Omori Ewing (Seismograph).					
Jan. 21st	P	13 47 7	Uncertain	...	...	300	Slight shock.
	S	13 47 41	„	...	...	...	
	L	13 48 3	„	...	...	...	
	F	Uncertain.	...	...	...	...	
	A_N	Milne—Shaw (Seismograph).					
„ 23rd	P	17 22 28	5	...	...	500	Do.
	S	17 23 24	6	...	...	...	
	L	17 23 40	8	...	...	...	
	F	17 43 40	...	...	...	...	
„ 24th	P	3 55 59	4	...	...	8700	Do.
	S	4 5 59	8	...	...	...	
	L	4 25 11	18	...	...	...	
	F	6 49 11	...	...	...	...	
„ 26th	P	4 56 35	4	...	...	400	Do.
	S	4 57 51	Uncertain.	...	...	...	
	L	4 58 5	6	...	...	...	
	F	5 20 5	...	...	...	...	
„ 29th	P	13 51 41	6	...	...	6700	Moderate shock.
	S	13 59 54	10	...	...	...	
	L	14 12 27	20	...	...	...	
	M	14 14 27	...	46	...	...	
	F	16 8 42	...	...	...	...	
„ 30th	P	3 18 51	6	...	...	5100	Slight shock.
	S	3 25 46	10	...	...	...	
	L	3 33 50	15	...	...	...	
	F	4 50 52	...	...	...	...	
Feb. 1st	P	7 51 52	5	...	...	4200	Do.
	S	7 57 42	6	...	...	...	
	L	8 4 7	10	...	...	...	
	F	8 24 37	...	...	...	...	

TABLE E 3—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A_N	Amplitude (μ). A_E	Distance Δ (Km.).	Remarks.
1932.		H. M. S					
Feb. 3rd	A_N	Milne Shaw Seismograph.					
	P	6 28 45	2	...	...	13800	
	S	6 42 0	4	...	...	...	
	L	7 18 15	15	...	...	...	
	F	Uncertain	...	...	...	...	
,, 4th	P	21 25 32	1	...	..	2400	Slight shock.
	S	21 29 32	Uncertain.	...	...	...	
	L	21 32 0	,,	...	...	...	
	M	21 33 30	...	...	...	...	
	F	21 55 0	...	...	...	...	
,, 5th	P	13 45 44	4	...	...	1200	Moderate shock.
	S	13 47 57	6	...	...	...	
	L	13 48 49	8	...	...	...	
	M	13 51 49	...	73	...	...	
	F	14 31 59	...	...	...	...	
,, 7th	P	18 29 15	2	...	...	550	Slight shock.
	S	18 30 35	3	...	...	...	
	L	18 30 31	4	...	...	...	
	F	18 32 31	...	...	...	...	
,, 7th	P	21 28 32	Uncertain.	...	...	550	Do.
	S	21 29 32	,,	...	...	...	
	L	21 29 52	4	...	...	...	
	F	21 32 57	...	...	...	...	
,, 12th	P	1 4 53	6	...	...	2800	Do.
	S	1 9 31	8	...	...	...	
	L	1 12 31	10	...	...	...	
	M	1 14 31	...	19	...	...	
	F	2 35 1	...	...	...	...	
,, 14th	P	2 47 36	3	...	...	1700	Slight.
	S	2 50 22	4	...	...	...	
	L	2 51 56	6	...	...	...	
	F	3 2 58	...	...	...	...	
,, 14th	P	15 54 16	2	...	...	400	Slight shock.
	S	15 55 1	Uncertain	...	...	...	
	L	15 55 10	3	...	...	...	
	F	16 4 55	...	...	...	...	
,, 14th	P	23 21 17	6	...	...	3600	Do.
	S	23 27 47	7	...	...	...	
	L	23 33 29	12	...	...	...	
,, 15th	M	1 45 49	...	17	...	...	
	F	3 14 39	...	...	...	...	
,, 16th	P	14 14 41	6	...	..	5700	Do.
	S	14 21 56	8	...	...	...	
	L	14 32 56	15	...	...	...	
	F	15 52 41	...	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A_N	Amplitude (μ). A_E	Distance Δ (Km.).	Remarks.
1932.		H. M. S.					
Feb. 20th	A_N	Milne Shaw Seismograph.					
	P	18 45 31	2	...	...	900	Slight shock.
	S	18 47 12	5	...	...	...	
	L	18 47 49	7	...	...	...	
	F	Uncertain.	...	...	...	...	
,, 21st	P	13 32 28	5	...	...	800	Do.
	S	13 35 21	8	...	...	...	
	L	13 36 56	12	...	...	...	
	M	13 39 56	...	11	...	...	
	F	14 21 26	...	...	...	...	
,, 23rd	P	0 31 33	3	...	...	9500	Do.
	S	0 42 8	7	...	...	...	
	L	1 3 26	15	...	...	...	
	M	1 7 11	...	14	...	...	
	F	... ...	...	...	..	...	
, 28th	P	3 29 42	2	...	...	100	Do.
	S	Uncertain	...	...	...	...	
	L	3 30 2	6	...	...	...	
	F	Uncertain	...	...	...	...	
Mar. 4th	P	23 22 49	5	...	...	1400	Do.
	S	23 25 19	7	...	...	...	
	L	23 26 31	8	...	...	...	
	M	23 29 16	...	39	...	...	
,, 5th	F	0 21 46	...	...	...	...	
,, 6th	P	0 19 14	2	...	...	700	Moderate shock.
	S	0 20 39	2	...	...	...	
	L	0 20 58	5	...	...	...	
	M	0 22 58	...	117	...	...	
	F	1 3 48	...	...	...	...	
,, 6th	P	21 47 15	2	...	...	800	Slight shock.
	S	21 48 27	3	...	...	...	
	L	21 49 9	5	...	...	...	
	M	21 51 11	...	24	...	...	
	F	22 25 12	...	...	...	...	
,, 10th	P	5 39 52	4	...	...	11800	Do.
	S	5 52 2	6	...	...	...	
	L	6 21 37	1	...	...	...	
	F	Uncertain	...	...	...	...	
,, 12th	P	13 31 55	2	...	...	2600	Do.
	S	13 36 0	7	...	...	...	
	L	13 38 29	12	...	...	...	
	F	Uncertain	...	...	...	...	
,, 14th	P	22 59 48	5	...	...	15000	Do.
	S	23 13 28	8	...	...	...	
	L	23 54 51	15	...	...	...	
,, 15th	F	1 5 51	...	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A_N	Amplitude (μ). A_E	Distance Δ (Km.).	Remarks.
1932.		H. M. S.					
Mar. 15th	A_N	Milne Shaw Seismograph.					
	P	4 42 22	4	...	...	5900	Slight shock.
	S	4 50 0	6	...	...	...	
	L	5 1 7	12	...	...	...	
	F	5 57 7	...	...	...	...	
,, 18th	P	5 26 14	5	...	...	5100	Do.
	S	5 33 2	7	...	...	..	
	L	5 42 39	10	...	...	...	
	F	6 44 39	...	...	...	...	
,, 19th	P	23 11 41	3	...	...	6400	Do.
	S	23 19 48	6	...	...	...	
	L	23 31 57	10	...	...	...	
,, 20th	F	0 18 18	...	...	...	...	
,, 24th	P	16 9 10	2	...	...	400	Moderate shock (felt locally).
	S	16 9 55	Uncertain.	...	...	...	
	L	16 10 7	6	...	...	...	
	M	Uncertain	...	...	...	...	
	F	16 53 59	...	...	...	...	
,, 25th	P	4 32 43	2	...	...	...	
	S	4 34 13	3	...	...	...	
	L	4 34 50	6	...	...	...	
	M	4 35 50	...	27	...	...	
	F	5 18 50	...	...	...	...	
,, 26th	A_E	Omori Ewing Seismograph.					
	P	0 11 9	2	...	...	9100	Moderate shock.
	S	0 21 32	4	...	...	...	
	L	0 41 2	8	...	...	...	
	M	0 43 59	...	...	...	...	
	F	Uncertain	...	...	...	...	
,, 26th	A_N	Milne Shaw Seismograph.					
	P	10 1 27	5	...	...	5300	Do.
	S	10 8 27	7	...	...	...	
	L	10 24 39	10	...	...	...	
	M	10 25 9	...	31	...	...	
	F	11 44 27	...	...	...	...	
,, 27th	P	8 45 36	3	...	...	600	Great shock.
	S	8 46 36	4	...	...	...	
	L	8 46 59	6	...	...	...	
	M	8 51 29	...	186	...	...	
	F	9 42 21	...	...	...	...	
,, 28th	P	0 42 8	2	...	...	3500	Slight shock.
	S	0 47 23	3	...	...	...	
	L	0 52 13	4	...	...	...	
	F	Uncertain	...	...	...	...	

TABLE E 3—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A_N	Amplitude (μ). A_E	Distance Δ (Km.).	Remarks.
1932.		H. M. S.					
	A_N	Milne Shaw Seismograph.					
Mar. 30th	P	15 16 52	2	...	...	3500	Slight shock.
	S	15 22 22	4	...	...	...	
	L	15 26 32	6	...	...	...	
	F	16 23 12	...	...	...	...	
April 3rd	P	20 56 27	4	...	...	9300	Do.
	S	21 6 50	8	...	...	...	
	L	21 28 12	15	...	...	...	
	F	23 0 12	...	...	...	...	
,, 4th	P	19 21 47	6	...	...	3800	Do.
	S	19 27 21	8	...	...	...	
	L	19 32 27	10	...	...	...	
	F	20 51 50	...	...	...	...	
,, 10th	P	16 53 7	Uncertain.	...	...	500	Do.
	S	16 53 54	,,	...	...	...	
	L	16 54 12	8	...	...	...	
	F	17 11 47	...	...	...	...	
,, 13th	P	0 3 39	5	...	...	4900	Do.
	S	0 10 24	7	...	...	...	
	L	0 17 39	10	...	...	...	
	F	Uncertain	...	...	...	...	
,, 18th	P	11 28 43	6	...	...	2300	Do.
	S	11 32 24	8	...	...	...	
	L	11 34 55	10	...	...	...	
	M	11 35 55	...	33	...	...	
	F	12 22 24	...	...	...	...	
,, 22nd	P	5 5 14	3	...	...	2900	Do.
	S	5 9 29	5	...	...	...	
	L	5 12 59	8	...	...	...	
	F	Uncertain	...	...	...	...	
,, 30th	P	10 57 9	Uncertain.	...	...	2200	Do.
	S	11 0 51	6	...	...	...	
	L	11 3 3	8	...	...	...	
	F	11 19 1	...	...	...	...	
	A_E	Omori Ewing Seismograph.					
May 14th	P	13 19 11	14	...	...	3800	Severe shock.
	S	13 24 51	18	...	...	...	
	EL	13 27 15	25	...	...	...	
	M	13 28 45	...	Uncertain.	...	...	
	F	16 31 45	...	...	...	...	
	A_N						
,, 14th	P	13 19 1	12	...	...	3800	Do.
	S	13 24 46	18	...	...	...	
	L	13 29 10	24	...	...	...	
	M	13 30 40	...	2537	...	...	
	F	...	...	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A_N	Amplitude (μ). A_E	Distance Δ (Km.).	Remarks.
1932.		H. M. S.					
	A_E	Omori Ewing Seismograph.					
May 17th	P	13 49 51	Uncertain.	...	...	600	Slight shock.
	S	13 50 55	3	...	...	...	
	L	13 51 13	4	...	...	...	
	F	14 3 39	...	...	...	...	
	A_N	Omori Ewing Seismograph.					
,, 17th	P	13 49 53	Uncertain.	...	...	600	Do.
	S	13 50 59	3	...	...	...	
	L	13 51 19	4	...	...	...	
	F	14 3 39	...	...	...	...	
	A_N	Milne Shaw Seismograph.					
,, 18th	P	19 9 15	7		...	6200	Do.
	S	19 17 5	14	...	...	...	
	L	19 28 50	20	...	...	...	
	F	21 40 5	...	...	...	...	
,, 20th	P	19 30 11	3	...	...	2500	Do.
	S	19 34 18	6	...	...	...	
	L	19 36 48	8	...	...	...	
	F	Uncertain	...	...	...	...	
,, 21st		10 25 53	5	...	..	13900	Great shock.
	S	10 39 13	10	...	...	...	
	L	11 15 40	22	...	...	...	
	M	11 30 25	...	118	...	...	
	F	12 30 25	...	...	...	...	
,, 26th	P	5 14 48	6	...	...	900	Moderate shock.
	S	5 16 18	7	...	...	...	
	L	5 16 58	8	...	...	...	
	M	5 19 43	...	30	...	...	
	F	Uncertain	...	...	...	...	
,, 26th	P	16 22 49	4	...	...	3500	Do.
	S	16 28 9	6	...	...	...	
	L	16 32 49	8	...	...	...	
	M	16 33 19	...	28	...	...	
	F	19 21 34	...	...	...	...	
,, 28th	P	2 28 15	4	...	...	4200	Do.
	S	2 34 45	6	...	...	...	
	L	2 41 5	25	...	...	...	
	M	2 46 0	...	219	...	...	
	F	3 36 12	...	...	...	...	
June 3rd	P	10 55 36	5	...	...	16500	Very great shock.
	S	11 9 36	10	...	...	...	
	L	11 56 4	25	...	...	...	
	M	12 6 34	...	930	...	...	
	F	14 43 4	...	...	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A_N	Amplitude (μ). A_E	Distance Δ (Km.).	Remarks.
1932.		H. M. S.					
	A_N	Milne Shaw Seismograph.					
June 6th	P	1 33 17	Uncertain.	...	...	300	Very slight shock.
	S	1 33 51	2	...	...	...	
	L	1 34 6	4	...	...	...	
	F	Uncertain	...	...	...	...	
,, 10th	P	20 28 8	3	...	...	2200	Slight shock.
	S	20 32 8	6	...	...	...	
	L	20 34 23	7	...	...	...	
	F	Uncertain	...	...	...	...	
,, 11th	P	8 49 24	3	...	...	2100	Do.
	S	8 53 1	4	...	...	...	
	L	8 54 54	5	...	...	...	
	F	Uncertain	...	...	...	...	
,, 13th	P	21 11 49	Uncertain.	...	...	2300	Do.
	S	21 15 33	,,	...	...	...	
	L	21 17 53	7	...	...	...	
	F	Uncertain	...	...	...	...	
,, 14th	P	6 5 23	Uncertain.	...	...	2300	Do.
	S	6 10 26	3	...	...	...	
	L	6 14 43	5	...	...	...	
	F	Uncertain	...	...	...	...	
,, 16th	P	1 28 27	3	...	...	1500	Do.
	S	1 30 51	4	...	...	...	
	L	1 32 29	7	...	...	...	
	F	Uncertain	...	...	...	...	
,, 18th	P	10 32 36	6	...	...	16300	Great shock.
	S	10 46 40	8	...	...	...	
	L	11 32 24	20	...	...	...	
	M	11 38 9	...	276	...	...	
	F	15 6 9	...	...	...	...	
,, 21st	P	23 8 22	2	...	...	1500	Slight shock.
	S	23 11 2	5	...	...	...	
	L	23 12 32	8	...	...	...	
	F	Uncertain	...	...	...	...	
,, 22nd	P	0 51 35	3	...	...	4100	Do.
	S	0 57 23	5	...	...	...	
	L	1 3 48	15	...	...	...	
	F	Uncertain	...	...	...	...	
,, 22nd	P	13 20 48	5	...	...	12500	Do.
	S	13 33 23	8	...	...	...	
	L	4 5 18	12	...	...	...	
	F	15 42 3	...	...	...	...	
,, 26th	P	19 27 58	2	...	...	7200	Do.
	S	19 36 35	3	...	...	...	
	L	19 51 50	7	...	...	...	
	F	Uncertain	...	...	...	...	

TABLE E 3—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec).	Amplitude (μ). A_N	Amplitude (μ). A_E	Distance (Km.).	Remarks.
1932.		H. M. S.					
		A N Milne Shaw. Seismograph.					
July 3rd	P	4 38 34	Uncertain.	...	...	1200	Slight shock.
	S	4 40 36	,,	...	...	...	
	L	4 41 42	8	...	...	...	
	F	Uncertain	...	...	...	...	
,, 5th	P	11 1 15	4	...	...	3500	Do.
	S	11 6 35	6	...	...	...	
	L	11 11 35	8	...	...	...	
	F	Uncertain	...	...	...	...	
,, 9th	P	12 27 33	4	...	...	1000	Do.
	S	12 29 26	6	...	...	...	
	L	12 30 11	8	...	...	...	
	F	Uncertain	...	...	...	...	
,, 9th	P	13 22 23	Uncertain.	...	...	800	Do.
	S	13 23 46	2	...	...	...	
	L	13 24 9	6	...	...	...	
	F	Uncertain	...	...	...	...	
,, 9th	P	14 33 34	Uncertain.	...	...	1100	Do.
	S	14 35 4	3	...	...	...	
	L	14 35 44	4	...	...	...	
	F	Uncertain	...	...	...	...	
,, 21st	P	13 59 18	Uncertain.	...	...	2600	Do.
	S	14 3 28	7	...	...	...	
	L	14 6 24	8	...	...	...	
	F	Uncertain	...	...	...	...	
Aug. 1st	P	6 4 17	2	...	...	300	Do.
	S	6 4 55	3	...	...	...	
	L	6 5 13	5	...	...	...	
	M	6 6 13	...	40	...	...	
	F	7 8 29	...	...	...	...	
,, 2nd	P	4 29 47	Uncertain.	...	...	3100	Do.
	S	4 34 34	4	...	...	...	
	L	4 38 27	6	...	...	...	
	F	Uncertain	...	...	...	...	
,, 7th	P	23 27 44	Uncertain.	...	...	1900	Do.
	S	23 31 9	,,	...	...	...	
	L	23 32 41	6	...	...	...	
	F	Uncertain	...	...	...	...	
,, 12th	P	3 35 54	4	...	...	8900	Do.
	S	3 45 57	6	...	...	...	
	L	4 5 48	15	...	...	...	
	F	Uncertain	...	...	...	...	
1932.		H. M. S.					
		A_N Milne Shaw Seismograph.					
Aug. 14th	P	4 41 39	4	...	...	550	Very great shock felt at Calcutta.
	S	Uncertain	...	...	...	...	
	L	4 43 1	8	...	...	...	
	M	4 45 31	...	60	...	...	
	eF	7 13 31	...	...	...	...	
,, 14th	P	7 12 10	4	...	...	800	Slight shock.
	S	7 13 32	6	...	...	...	
	L	7 14 6	8	...	...	...	
	F	7 41 32	...	...	...	...	
		Omori Ewing Seismograph EW.					Instt.
,, 21st	P	4 21 36	2	...	...	3500	Do.
	S	4 26 54	4	...	...	...	
	L	4 31 24	6	...	...	...	
	F	5 9 9	...	...	...	...	
		Milne Shaw Seismograph A_N					Instt.
,, 21st	P	18 50 20	2	...	...	2000	Do.
	S	18 54 5	4	...	...	...	
	L	18 56 20	6	...	...	...	
	F	Uncertain	...	...	...	...	
,, 22nd	P	11 20 53	3	...	...	4300	Do.
	S	11 26 58	5	...	...	...	
	L	11 33 28	7	...	...	...	
	eF	12 21 48	...	...	...	...	
,, 24th	P	12 19 23	3	...	...	3700	Do.
	S	12 25 8	5	...	...	...	
	L	12 30 8	8	...	...	...	
	eF	13 8 18	...	...	...	...	
Sept. 3rd	P	12 1 38	3	...	...	5900	Do.
	S	12 17 58	4	...	...	...	
	L	12 29 44	6	...	...	...	
	F	Uncertain	...	...	...	...	
,, 8th	P	7 37 0	3	...	...	1800	Do.
	S	7 40 5	5	...	...	...	
	L	7 41 28	7	...	...	...	
	F	8 33 3	...	...	...	...	
,, 9th	P	13 47 47	3	...	...	2600	Do.
	S	13 51 52	5	...	...	...	
	L	13 54 27	8	...	...	...	
	F	14 56 27	...	...	...	...	
,, 11th	P	14 18 14	3	...	...	2600	Do.
	S	14 22 19	5	...	...	...	
	L	14 24 59	7	...	...	...	
	F	Uncertain	...	...	...	...	
,, 15th	P	11 18 35	5	...	...	4200	Do.
	S	11 24 35	6	...	...	...	
	L	11 30 20	9	...	...	...	
	F	Uncertain	...	...	...	...	
1932.		H. M. S.					
		A Milne Shaw Seismograph N Instt.					
Sept. 15th	P	14 28 8	6	...	...	7500	Slight shock.
	S	14 37 2	9	...	...	...	
	L	14 53 8	15	...	...	...	
	eF	16 57 28	...	...	...	...	
,, 23rd	P	14 30 30	3	...	...	4200	Moderate shock.
	S	14 36 38	6	...	...	...	
	L	14 42 23	10	...	...	...	
	M	Uncertain	...	...	...	...	
	F	15 57 31	...	...	...	...	
,, 26th	P	19 30 23	5	...	...	6200	Do.
	S	19 38 11	8	...	...	...	
	L	19 50 51	12	...	...	...	
	M1	19 55 11	...	38	...	...	
	M2	20 0 21	...	44	...	...	
	F	Uncertain	...	...	...	...	
,, 29th	P	4 7 16	3	...	...	6600	Slight shock.
	S	4 15 16	4	...	...	...	
	EL	4 28 46	6	...	...	...	
	F	Uncertain	...	...	...	...	
,, 29th	P	17 55 46	3	...	...	6600	Do.
	S	18 3 46	4	...	...	...	
	L	18 17 16	6	...	...	...	
	F	Uncertain	...	...	...	...	
Oct. 1st	P	20 24 28	2	...	...	1400	Do.
	S	20 55 51	3	...	...	...	
	L	20 28 0	4	...	...	...	
	EF	20 38 31	...	...	...	...	
,, 2nd	P	3 18 34	5	...	...	14400	Do.
	S	3 32 16	8	...	...	...	
	L	4 12 41	18	...	...	...	
	EF	5 15 53	...	...	...	...	
,, 9th	P	12 59 55	4	...	...	3400	Do.
	S	13 5 2	6	...	...	...	
	L	13 9 10	9	...	...	...	
	F	13 41 52	...	...	...	...	
,, 11th	EP	19 20 38	3	...	...	1400	Do.
	S	19 23 16	5	...	...	...	
	L	19 24 9	7	...	...	...	
	F	Uncertain	...	...	...	...	
,, 13th	EP	13 56 28	2	...	...	600	Do.
	S	13 57 28	3	...	...	...	
	L	13 57 46	3	...	...	...	
	EF	14 5 21	...	...	...	...	
,, 14th	P	2 0 1	2	...	...	600	Do.
	S	2 0 54	3	...	...	...	
	L	2 1 16	4	...	...	...	
	F	Uncertain	...	...	...	...	

TABLE E 3—*contd.*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Amplitude (μ). A N	Amplitude (μ). A E	Distance Δ (Km.).	Remarks.
1932.		H. M. S					
		Milne Shaw Seismograph A N Instt.					
Oct. 16th	P	12 20 58	3	...	...	7300	Slight shock.
	S	12 31 21	5	...	...	...	
	EL	12 52 31	9	...	...	...	
	F	13 56 11	...	...	...	...	
,, 23rd	P	0 58 49	3	...	...	1400	Do.
	S	Uncertain	Uncertain.	...	...	...	
	L	1 2 34	5	...	...	...	
	F	Uncertain	...	...	...	...	
,, 23rd	P	21 33 22	2	...	...	4200	Do.
	S	21 39 15	4	...	...	...	
	L	21 45 15	7	...	...	...	
	EF	22 16 57	...	...	...	...	
,, 25th	EP	17 14 45	2	...	...	1900	Do.
	S	17 18 0	4	...	...	...	
	L	17 20 3	6	...	...	...	
	F	17 44 35	...	...	...	...	
,, 27th	P	23 39 45	2	...	...	500	Do.
	S	23 40 31	3	...	...	...	
	L	23 40 46	4	...	...	...	
	F	Uncertain	...	...	...	...	
,, 29th	P	11 13 44	4	...	...	2400	Do.
	S	11 17 39	6	...	...	...	
	L	11 20 19	10	...	...	...	
	EF	12 15 9	...	...	...	...	
,, 30th	P	20 58 9	5	...	...	9300	Do.
	S	21 8 34	7	...	...	...	
	L	21 29 54	9	...	...	...	
	F	Uncertain	...	...	...	...	
Nov. 3rd	P	19 52 33	3	...	...	2700	Do.
	S	19 57 3	5	...	...	...	
	L	19 59 53	7	...	...	...	
	F	20 24 58	...	...	...	...	
,, 9th	P	18 31 26	3	...	...	500	Moderate shock.
	S	18 32 8	4	...	...	...	
	L	18 32 34	6	...	...	...	
	M	18 33 4	...	82	...	...	
	EF	19 10 14	...	...	...	...	
,, 10th	P	13 16 11	2	...	...	600	Slight shock.
	S	13 17 11	3	...	...	...	
	L	13 17 26	5	...	...	...	
	F	Uncertain	...	...	...	...	
,, 11th	P	1 3 14	2	...	...	600	Do.
	S	1 4 14	3	...	...	...	
	L	1 4 29	5	...	...	...	
	F	Uncertain	...	...	...	...	
1932.		H. M. S.					
		Milne Shaw Seismograph A N Instt.					
Nov. 13th	P	4 55 16	5	...	...	5900	Slight shock.
	S	5 2 53	6	...	...	...	
	L	Uncertain	...	...	...	...	
	F	,,	...	...	...	...	
,, 16th	P	6 23 16	2	...	...	300	Do.
	S	6 23 54	3	...	...	...	
	L	6 24 9	4	...	...	...	
	F	Uncertain	...	...	...	...	
,, 18th	P	13 55 1	2	...	...	3000	Do.
	S	13 59 46	3	...	...	...	
	L	14 3 16	5	...	...	...	
	F	Uncertain	...	...	...	...	
,, 18th	EP	3 47 24	3	...	...	3000	Do.
	S	3 47 54	5	...	...	...	
	L	3 55 39	7	...	...	...	
	EF	4 33 4	...	...	...	...	
,, 19th	EP	21 2 20	3	...	...	1000	Do.
	S	21 4 8	5	...	...	...	
	L	21 4 46	6	...	...	...	
	EF	21 16 56	...	...	...	...	
,, 21st	P	14 49 44	2	...	...	600	Do.
	S	14 50 44	3	...	...	...	
	L	14 51 6	4	...	...	...	
	cF	15 5 51	...	...	...	...	
,, 22nd	P	15 0 7	2	...	...	2200	Do.
	S	15 3 59	3	...	...	...	
	L	15 6 6	5	...	...	...	
	F	Uncertain	...	...	...	...	
,, 26th	P	4 31 26	3	...	...	5100	Do.
	S	4 38 19	6	...	...	...	
	EL	4 46 19	7	...	...	...	
	F	5 36 49	...	...	...	...	
,, 30th	EP	16 59 47	3	...	...	1300	Do.
	S	17 2 2	4	...	...	...	
	L	17 3 2	6	...	...	...	
	EF	17 20 32	...	...	...	...	
Dec. 4th	P	8 17 49	5	...	...	4100	Great shock.
	S	8 23 35	8	...	...	...	
	L	8 29 55	18	...	...	...	
	M	8 33 25	...	248	...	...	
	F	Uncertain	...	...	...	...	
,, 7th	P	16 41 53	3	...	...	1400	Slight shock.
	ES	16 44 17	5	...	...	...	
	L	16 45 25	7	...			
	F	Uncertain	...	...	...	...	
1932.		H. M. S.					
		Milne Shaw Seismograph A N Instt.					
Dec. 8th	EP	15 24 15	4	...	...	8000	Slight shock.
	S	15 33 31	6	...	...	...	
	L	15 49 8	11	...	...	...	
	F	Uncertain	...	...	...	...	
,, 11th	P	4 29 24	4	...	...	1600	Do.
	S	4 32 16	5	...	...	...	
	L	4 33 31	8	...	...	...	
	EF	5 35 41	...	...	...	...	
,, 15th	EP	19 38 28	4	...	...	3400	Do.
	S	19 43 43	6	...	...	...	
	L	19 48 13	8	...	...	...	
	F	20 30 24	...	...	...	...	
,, 21st	P	4 50 38	2	...	...	500	Do.
	S	4 51 38	3	...	...	...	
	L	4 51 54	5	...	...	...	
	EF	5 12 14	...	...	...	...	
,, 21st	P	6 30 21	4	...	...	7300	Great shock.
	S	6 40 9	7	...	...	...	
	EL	6 54 57	12	...	...	...	
	M1	7 3 7	...	11	...	...	
	M2	7 12 7	...	11	...	...	
	M3	7 17 7	...	19	...	...	
	EF	8 46 27	...	...	...	...	
,, 24th	P	4 22 51	3	...	...	2600	Slight shock.
	S	4 26 51	5	...	...	...	
	L	4 29 57	7	...	...	...	
	F	4 57 15	...	...	...	...	
,, 24th	P	5 18 21	3	...	...	2600	Do.
	S	5 22 31	5	...	...	...	
	L	Uncertain	...	...	...	...	
	EF	5 48 31	...	...	...	...	
,, 24th	P	6 41 46	3	...	...	5000	Do.
	S	6 48 25	6	...	...	...	
	L	6 57 5	12	...	...	...	
	F	Uncertain	...	...	...	...	
		Omori Ewing Seismograph A E Instt.					
,, 25th	P	2 9 52	6	...	...	2100	Very great shock.
	S	2 13 21	11	...	...	...	
	L	2 15 21	22	...	...	...	
	M	Uncertain	...	...	...	...	
	F	Uncertain	...	...	...	...	
		Milne Shaw Seismograph A N Instt.					
,, 25th	EP	6 12 20	3	...	...	2900	Slight shock.
	S	6 16 57	5	...	...	...	
	L	6 20 29	7	...	...	...	
	EF	6 52 42	...	...	...	...	

TABLE E 3—*concld.*

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Amplitude (μ) A N	Amplitude (μ) A E	Distance Δ (Km.).	Remarks.
1932.		H. M. S.					
Milne Shaw Seismograph A_N Instt.							
Dec. 25th	P	12 27 1	3	...	...	3500	Slight shock.
	S	12 32 22	5	...	...	...	
	L	12 37 22	7	...	...	...	
	F	Uncertain	...	...	...	...	
,, 26th	EP	8 9 45	3	...	...	240	Do.
	S	8 10 7	5	...	...	...	
	L	8 10 19	Uncertain.	...	...	...	
	F	Uncertain	...	...	...	...	

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Amplitude (μ) A N	Amplitude (μ) A E	Distance Δ (Km.).	Remarks.
1932.		H. M. S.					
Milne Shaw Seismograph A_N Instt.							
Dec. 26th	P	19 48 18	3	...	...	2400	Slight shock.
	S	19 52 9	5	...	...	...	
	L	19 54 25	7	...	...	...	
	F	Uncertain	...	...	...	...	
,, 26th	P	21 15 56	3	...	...	2400	Do.
	S	21 19 58	5	...	...	...	
	L	21 22 10	7	...	...	...	
	F	Uncertain	...	...	...	...	

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Amplitude (μ) A N	Amplitude (μ) A E	Distance Δ (Km.).	Remarks.
1932.		H. M. S.					
Milne Shaw Seismograph A_N Instt.							
Dec. 28th	P	8 29 24	4	...	...	2600	Slight shock.
	S	8 33 32	6	...	...	...	
	L	8 36 9	8	...	...	...	
	F	Uncertain	...	...	...	...	
,, 30th	P	21 30 7	3	...	...	2600	Do.
	S	21 34 29	5	...	...	...	
	L	21 37 0	7	...	...	...	
	EF	21 56 40	...	...	...	...	
,, 31st	P	6 43 1	4	...	...	8000	Do.
	S	6 52 23	6	...	...	...	
	L	7 9 38	12	...	...	...	
	F	Uncertain	...	...	...	...	

S. N. SEN,

Meteorologist,

Calcutta.

STATION—KODAIKANAL.

$\varphi = 10° 13' 50''$; $\lambda = 77° 28' 00''$; $h = 2343$m. *Subsoil*—Rock.

Apparatus.—Milne Shaw Seismograph (E-W) *Damping ratio* 20 : 1. Installed January 1932.

TABLE E 4.

	V	To	$\frac{V}{To^2}$
A_E	250	12	·0017

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Max. Amplitude of Record (mm.). / A_E	Remarks.
1932.		H. M. S.			
Jan. 17th	eP	8 8 21	...	...	Very feeble shock.
	F	8 11 00	...	...	
,, 17th	eP	8 37 26	...	...	Feeble shock.
	L	8 41 51	...	...	
	F	9 11 00	...	...	
Feb. 5th	Part of record lost and no time marks on what is left.				
,, 11th	No time marks.		...	...	Feeble shock.
,, 12th	No time marks.		...	6·0	
,, 14th	No time marks.		...	...	Feeble shock.
,, 14th	No time marks.		...	...	Do.
,, 14th-15th	No time marks.		...	8·4	A regular earthquake.
,, 16th	eP	14 7 19	...	...	
	S	14 16 85	...	...	
	eL	14 48 00	...	...	
	M	14 52 34	...	1·5	
	F	16 17 00	...	...	
,, 17th	P	23 33 09?	...	...	Very feeble shock.
	F	23 42 00	...	...	
,, 21st	P	12 27 54	...	...	Do.
	F	12 42 00	...	...	
,, 21st	P	12 46 15	...	...	Overlapping.
	S	12 48 21	...	...	
	L	12 50 14	...	...	
	M	12 52 36	...	0·75	
	F	?	...	...	
,, 21st	P	?	...	...	
	S	13 24 43	...	...	
	L	13 28 30	...	...	
	M	13 29 04	...	3·0	
	F	14 30 00	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Max. Amplitude of Record (mm.). / A_E	Remarks.
1932.		H. M. S.			
Feb. 23rd	eP	00 30 15?	...	...	
	S	00 37 49	...	...	
	L	00 52 08	...	...	
	M	00 55 08	...	3·0	
	F	03 09 00	...	...	
,, 26th	eP	06 37 13	...	...	
	S	06 41 28	...	...	
	L	06 43 21	...	...	
	M	06 44 50	...	3·8	
	F	07 09 00	...	...	
Mar. 4th	iP	23 20 07	...	...	
	iS	23 24 29	...	...	
	L	23 27 13	...	...	
	M	23 27 45	...	6·0	
	F	?	...	...	F cannot be determined as lines overlap.
,, 6th	P	00 21 14	...	...	
	S	00 25 15	...	...	
	L	00 27 41	...	...	
	M	00 29 26	...	0·6	
	F	?	...	...	F not traceable as lines overlap.
,, 6th	P	21 49 20	...	...	
	S	21 53 54	...	...	
	L	22 02 27	...	...	
	F	22 15 00	...	...	Very feeble shock.
,, 8th	P	05 23 00	...	...	
	F	06 08 00	...	...	Tremors.
,, 8th	eP	18 26 00	...	...	
	L	18 58 15	...	...	
	F	19 36 00	...	...	Feeble shock.
,, 10th	eP	5 56 00	...	...	
	L	06 18 15	...	...	
	F	09 36 00	...	...	Feeble shock.
,, 14-15th	eP	23 02 28	...	...	
	L	23 57 38	...	...	
	F	01 00 00	...	...	Feeble shock.

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Max. Amplitude of Record (mm.). / A_E	Remarks.
1932.		H. M. S.			
Mar. 15th	P Before.	04 52 02?	...	...	
	F	05 44 02	...	...	Tremors.
,, 15th	P	06 48 49	...	...	
	L	06 51 58	...	...	
	F	07 03 02	...	...	Feeble shock.
,, 18th	eP	05 22 29	...	...	
	S	05 27 09	...	...	
	L	05 29 11	...	...	
	M	05 32 55	...	5·1	
	F	07 03 03	...	...	
,, 19th	iP	11 10 47	...	...	
	iS	11 19 39	...	...	
	L	11 34 12	...	...	
	M	11 36 47	...	0·7	
	F	12 55 00	...	...	
,, 24th	eP	16 13 08	...	...	
	S	16 16 41	...	...	
	L	16 18 53	...	...	
	M	16 19 27	...	1·3	
	F	16 42 00	...	...	
,, 25th	P	04 34 30	...	...	
	L	04 38 26	...	...	
	F	04 51 00	...	...	Feeble shock.
,, 26th	P	?	...	...	
	S	?	...	...	
	L	00 47 39	...	...	
	M	00 51 43	...	15·0	P and S lost in traces overlapping.
	F	03 11 00	...	...	
,, 26th	P	05 34 11	...	...	
	L	05 59 15	...	...	
	F	06 34 00	...	...	Feeble shock.
,, 26th	P	07 04 11	...	...	
	S	07 12 11	...	...	
	L	07 15 32	...	...	
	M	07 16 26	...	3·75	
	F	08 19 00	...	...	

TABLE E 4—*contd*

Date.	Phase.	Time G. M. T.	Period (Sec.).	Max. Amplitude of Record (mm.). A_E	Remarks.
1932.		H. M. S.			
Mar. 26th	iP	10 01 36	...	...	
	S	10 09 06	...	...	
	L	10 18 15	...	...	
	M	10 22 39	...	4·5	
	F	12 16 00	...	...	
,, 27th	iP	08 49 04	...	...	
	iS	08 52 49	...	...	
	L	08 55 45	...	...	
	F	09 38 00	...	...	Feeble shock.
,, 27th	eP	17 08 38	...	...	
	L	17 14 10	...	...	
	F	17 53 00	...	...	Feeble shock.
,, 28th	eP	00 41 31	...	...	
	S	00 46 15	...	...	
	L	00 49 12	...	...	
	M	00 49 39	...	2·75	
	F	03 07 00	...	...	
April 1st	No	time marks.			
,, 3rd	P	20 57 51	...	...	
	S	21 07 15	...	...	
	L	21 33 22	...	...	
	F	22 17 00	...	...	Feeble shock.
,, 4th	P	19 24 58	...	...	
	F	20 26 58	...	...	Feeble shock.
,, 8th	P	12 47 15	...	...	
	F	12 30 00	...	...	Feeble shock.
,, 22nd	iP	05 04 11	...	...	
	iS	05 09 08	...	...	
	L	05 14 49	...	...	
	M	05 17 00	...	1·75	
	F	06 45 00	...	...	
,, 29th	P	17 38 21	...	...	
	F	18 09 00	...	...	Tremors.
,, 29th	P	18 30 23	...	...	
	F	19 50 00	...	...	Feeble shock.
,, 30th	P	01 18 24	...	..	
	S	01 29 00	...	...	
	L	01 49 15	...	...	
	F	02 26 00	...	...	Feeble shock.
,, 30th	P	06 30 08	...	...	
	F	06 54 00	...	...	Tremors.
,, 30th	P	09 21 08	...	...	
	F	09 26 00	...	...	Tremors.
,, 30th	P	11 03 23	...	...	
	F	11 29 00	...	...	Very feeble shock.

Date.	Phase.	Time G. M. T.	Period (Sec.).	Max. Amplitude of Record (mm.). A_E	Remarks.
1932.		H. M. S.			
May 2nd 3rd	P	23 42 00	...	...	
	F	00 22 00	...	...	Tremors.
,, 4th	P	08 38 43	...	...	
	F	08 48 58	...	...	Tremors.
,, 5th	P	03 32 00?	...	...	
	F	03 55 00	...	...	Tremors.
,, 6th	P	09 07 15	...	...	
	L	09 13 00	...	...	
	F	10 06 00	...	...	Slight shock.
,, 12th	P	06 17 39	...	...	
	F	06 49 00	...	...	Tremors.
,, 14th	P	05 45 13	...	...	
	F	05 54 58	...	...	Tremors.
,, 14th	P	13 19 38	...	...	
	S	13 26 40	...	...	
	M	13 27 27 13 41 32	...	80·0	
	F	18 38 57	...	...	
,, 18th	P	19 04 05	...	...	
	F	20 42 54	...	...	Feeble shock.
,, 20th	P	18 33 25	...	...	
	F	19 51 02	...	...	Tremors.
,, 21st	P	10 30 09	...	...	
	S	10 10 43	...	...	
	L	11 21 43	...	...	
	M	11 38 11 11 50 24	...	3·0	
	F	12 32 58	...	...	
,, 22nd	P	11 54 37	...	...	
	F	13 30 00	...	...	Tremors.
,, 26th	P	16 23 00	...	...	
	S	16 25 00	...	...	
	L	16 27 17	...	...	
	M	16 33 00	...	12·0	
	F	?	...	...	
,, 28th	P	02 30 45	...	...	
	S	02 38 17	...	...	
	L	02 50 11	...	...	
	M	02 54 52	...	1·0	
	F	03 36 00	...	...	
June 3rd	P	10 56 45	...	...	
	S	11 11 38	...	...	
	L	11 47 38	...	...	
	M	12 10 15	...	65·0	
	F	16 04 00	...	...	

Date.	Phase.	Time G. M. T.	Period (Sec.).	Max. Amplitude of Record (mm.). A_E	Remarks.
1932.		H. M. S.			
June 6th	P	09 36 08	...	...	
	F	10 50 53	...	...	Tremors.
,, 8th	P	07 06 53	...	...	
	F	07 24 00	...	...	Tremors.
,, 10th	P	20 30 00	...	...	
	S	20 32 23	...	...	
	L	20 36 56	...	...	
	M	20 37 08	...	1·25	
	F	21 12 00	...	...	
,, 11th	P	08 39 08	...	...	
	S	08 43 23	...	...	
	L	08 45 23	...	...	
	M	08 46 38	...	1·5	
	F	09 23 00	...	...	
,, 16th	P	01 23 30	...	...	
	S	01 24 13	...	...	
	L	01 27 28	...	...	
	M	01 27 36	...	5·0	
	F	02 49 00	...	...	
,, 18th	P	10 33 23	...	...	
	S	10 55 40	...	...	
	L	11 35 00	...	...	
	M	11 46 56	...	15·5	
	F	13 54 00	...	...	
,, 18th	P	17 40 23	...	...	
	F	18 08 00	...	...	Tremors.
,, 18th	P	21 42 38	...	...	
		21 55 00	...	...	Tremors.
,, 21st	P	23 21 17	...	...	
	F	23 31 02	...	...	Tremors.
,, 22nd	P	01 15 15	...	...	
	F	01 19 00	...	...	Tremors.
,, 22nd	P	13 20 00	...	...	
	S	13 34 30	...	...	
	L	14 18 00	...	...	
	M	14 23 26	...	4·0	
	F	15 31 00	...	...	
,, 26th	P	20 04 34	...	...	
	F	20 30 00	..	...	Tremors.
July 2nd	P	21 21 21	...	...	
	F	21 27 00	...	...	Tremors.
,, 5th	P	11 07 17	...	...	
	F	11 26 58	...	...	Feeble shock.
,, 7th	P	17 21 26	...	...	
	F	18 29 00	...	...	Tremors.

TABLE E 4—*contd.*

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Max. Amplitude of Record (mm.). A_E	Remarks.
1932.		H. M. S.			
July 12th	P	20 23 17?	...	...	
	S	20 26 28?	...	...	
	L	20 32 40	...	...	
	F	21 40 02	...	...	Feeble shock.
,, 16th	iP	21 07 19	...	...	
	S	21 10 05	...	...	
	L	21 12 25	...	...	
	M	21 13 55	...	2·75	
	F	21 53 57	...	...	
,, 25th	P	09 43 15	...	...	
	S	09 57 10	...	...	
	L	10 30 13	...	...	
	F	11 39 00	...	...	Feeble shock.
,, 27th	P	21 29 00	...	...	
	F	22 08 00	...	...	Tremors.
Aug. 1st	P	06 12 41	...	...	
	F	06 20 00	...	...	Very feeble shock.
,, 12th	P	03 41 07	...	...	
	F	06 32 00	...	...	Tremors.
,, 14th	iP	04 44 37	...	...	
	S	04 48 34	...	...	
	L	?	...	...	
	M	04 49 58	...	30·0	
	F	06 52 00	...	...	
,, 14th	P	12 41 00	...	...	
	S	12 45 00	...	...	
	L	12 47 26	...	...	
	F	13 32 00	...	...	Feeble shock.
,, 17th	P	18 37 21	...	...	
	F	18 51 00	...	...	Feeble shock.
,, 21st	P	04 23 49	...	...	
	S	04 29 28	...	...	
	L	04 41 43	...	...	
	F	05 38 00	...	...	Feeble shock.
,, 21st	P	13 03 11	...	...	
	F	13 12 00	...	...	Tremors.
,, 22nd	P	11 28 15	...	...	
	F	12 10 00	...	...	Feeble shock.
,, 24th	P	12 18 28	...	...	
	F	13 04 58	...	...	Feeble shock.
Sepr. 3rd	P	12 18 13	...	...	
	F	12 55 00	...	...	Feeble shock.
,, 8th	P	07 36 00	...	...	
	F	08 09 00	...	...	Feeble shock.

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Max. Amplitude of Record (mm.). A_E	Remarks.
1932.		H. M. S.			
Sept. 9th	P	13 48 18	...	...	
	S	13 55 48	...	...	
	L	14 02 03	...	...	
	F	14 57 03	...	...	Feeble shock.
,, 14th	P	09 30 15	...	...	
	F	09 57 00	...	...	Feeble shock.
,, 15th	P	11 21 11	...	...	
	F	12 16 00	...	...	Feeble shock.
,, 15th	P	14 16 07	...	...	
	S	14 27 23	...	...	
	L	14 38 49	...	...	
	M	14 56 13	...	2·0	
	F	16 35 00	...	...	
,, 20th	P	15 47 11	...	...	
	F	16 23 00	...	...	Feeble shock.
,, 23rd	P	14 32 06	...	...	
	S	14 40 02	...	...	
	L	14 48 51	...	...	
	F	16 00 58	...	...	Feeble shock.
,, 26th	P	19 30 21	...	...	
	S	19 38 15	...	...	
	L	19 49 11	...	...	
	M	19 59 45	...	2·75	
	F	21 33 00	...	...	
,, 29th	P	?	...	...	
	F	05 17 00	...	...	Feeble shock. P lost in changing sheet.
,, 29th	P	06 52 17	...	...	
	F	06 56 00	...	...	Tremors.
,, 29th	P	17 58 08	...	...	
	S	18 07 33	...	...	
	F	19 14 00	...	...	Feeble shock.
Oct. 2nd	P	03 33 00	...	...	
	S	03 36 54	...	...	
	L	03 38 53	...	...	
	M	03 42 19	...	3·5	There were several tremors in the sheet from 9h. 50m. 1s. onwards.
,, 2nd	F	...	...	...	
	P	?	...	...	Overlapping.
	S	?	...	...	
	L	04 19 41	...	...	
	F	05 04 00	...	...	Feeble shock.
,, 16th	P	12 17 ±	...	...	
	S	?	...	...	
	L	?	...	...	
	M	?	...	3·5	
	F	15 20 ±	...	...	No time marks on the sheet.

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Max. Amplitude of Record (mm.). A_E	Remarks.
1932.		H. M. S.			
Oct. 17th	P	13 30 ±	...	...	
	S	...	...	...	
	L	...	...	...	
	F	15 30 ±	...	...	No time marks. Feeble shock.
,, 20th	P	18 31 11	...	...	
	F	18 54 00	...	...	Tremors.
,, 22nd	P	23 40 21	...	...	
	F	23 53 02	...	...	Tremors.
,, 23rd	P	20 36 00	...	...	
	F	21 28 00	...	...	Tremors.
,, 28th	P	11 19 50	...	...	
	F	11 52 58	...	...	Tremors.
,, 29th	P	10 20 ±	...	...	
	F	10 30 ±	...	...	Tremors. No time marks.
,, 29th	P	11 20 ±	...	...	
	S	11 25 ±	...	...	
	L	11 27 ±	...	...	
	M	11 31 ±	...	5·5	
	F	12 25 ±	...	...	No time marks.
,, 30th	P	21 00 38	...	...	
	S	21 11 12	...	...	
	L	21 36 45	...	...	
	F	22 22 00	...	...	Feeble shock.
Nov. 2nd	P	11 23 3	...	...	
	F	13 01 00	...	...	Tremors.
,, 9th	iP	18 35 00	...	...	
	iS	18 38 45	...	...	
	L	18 40 52	...	...	
	M	18 41 30	...	2·4	
	F	19 38 00	...	...	
,, 13th	iP	04 56 41	...	...	
	iS	04 58 1 1	...	...	
	iL	05 04 30	...	...	
	M	05 04 36	...	5·25	
	F	06 07 00	...	...	
,, 13th	P	1 (00 43	...	...	
	F	17 11 00	...	...	Tremors.
,, 14th	P	00 51 43	...	...	
	F	01 02 00	...	...	Tremors.
,, 26th	P	04 34 37	...	...	
	S	04 43 11	...	...	
	F	?	...	...	Feeble shock. Lines got jumbled.
,, 26th	P	17 52 27	...	...	
	F	19 05 58	...	...	Tremors.

TABLE E 4—*concld.*

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Max. Amplitude of Record (mm.). A_E	Remarks.
1932.		H. M. S.			
Nov. 29th	P	02 00 45	...	...	
	F	03 08 00	...	...	Tremors.
„ 29th	P	11 30 35	...	...	
	S	11 41 45	...	...	
	L	12 18 52	...	...	
	M	12 29 32	...	1·0	
	F	13 37 00	...	...	
„ 30th	P	17 06 08	...	...	
	S	17 08 00	...	...	
	L	17 09 12	...	...	
	F	17 18 00	...	...	Feeble shock.
Dec. 4th	P	04 24 25	...	...	
	F	05 41 00	...	...	Tremors.
„ 4th	iP	08 19 25	...	...	
	iS	08 25 26	...	...	
	iL	08 33 17	...	...	
	M	08 38 41	...	19·0	
	F	11 55 00	...	...	
„ 7th	P	16 42 00	...	...	
	S	17 04 26	...	...	
	L	17 36 11	...	...	
	M	17 52 35	...	1·5	
	F	18 57 00	...	...	
„ 8th	Not possible to measure the times as lines overlap.				Tremors.
„ 10th	P	03 56 12	...	...	
	F	04 56 02	...	...	Tremors.

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Max. Amplitude of Record (mm.). A_E	Remarks.
1932.		H. M. S.			
Dec. 11th	iP	04 29 46	...	...	
	iS	04 33 00?	...	...	
	L	04 34 15	...	...	
	M	04 36 41	...	1·5	
	F	06 39 00	...	...	
„ 11th	P	07 40 00	...	...	
	F	07 59 00	...	...	Tremors.
„ 15th	P	19 40 ±	...	...	
	S	...	...	...	
	L	...	...	...	
	F	20 40 ±	...	...	Feeble shock. No time marks.
„ 17th	P	08 06 47	...	...	
	F	08 50 00	...	...	Feeble shock.
„ 21st	P	06 28 ±	...	...	
	S	06 43 ±	...	...	
	L	07 03 ±	...	...	
	M	07 21 ±	...	8·0	Time marks failed for some hours.
	F	09 35 00	...	...	
„ 24th	P	05 32 17	...	...	
	F	05 52 02	...	...	Feeble shock.
„ 24th	iP	06 47 47	...	...	
	iS	06 56 55	...	...	
	L	07 13 33	...	...	
	F	08 53 02	...	...	Feeble. shock.

Date.	Phase.	Time. G. M. T.	Period (Sec.).	Max. Amplitude of Record (mm.). A_E	Remarks.
1932.		H. M. S.			
Dec. 25th	P	...	...	...	
	F	07 53 00	...	...	Feeble shock. Beginning in the previous day's sheet not recorded as the light had burnt off.
„ 25th	P	08 55 00	...	...	
	F	10 03 00	...	...	Tremors.
„ 25th	P	...	...	...	Tremors. Lines overlapping; time cannot be determined.
	F	...	...	...	
„ 26th	P	21 23 00	...	...	
	S	?	...	...	
	L	21 29 47	...	...	
	F	22 05 00	...	...	Feeble shock.
„ 28th	P	08 37 28	...	...	
	F	09 10 02	...	...	Feeble shock.
„ 30th	No time marks.		...	...	Tremors.
„ 31st	No time marks.		...	1·25	Slight shock.
„ 31st	P	06 40 ±	...	...	
	S	06 49 ±	...	...	
	L	06 58 52	...	...	
	M	07 07 21	...	3·0	No time marks for P and S.
	F	08 39 00	...	...	

T. ROYDS,

Director, Madras and Kodaikanal Observatories.

The following table contains a list of earthquakes that were reported by voluntary observers from various stations :—

TABLE E 5.

Place at which felt.	Date.	G.M.T. of earthquake.	Duration.	Intensity (Rossi-Forel scale).	No. of shocks.	REMARKS.
	1932.	H. M.	Sec.			
Yatung, Tibet	Jan. 11	9 15	60	6	Several tremors.	
Cooch Behar (Bengal)	,, 11	9 16	2-3	5	1	
Do.	,, 18	14 01	about 2	4	1	
Gauhati (Assam)	,, 19	13 35	30-45	6	Several shocks.	
Cherrapunji	,, 19	13 35	5	5	2	
Salonah	,, 19	13 42	4-5	4	1	
Cherrapunji	,, 21	13 45	2	5	2	
Cooch Behar (Bengal)	,, 21	13 51	about 60	6	1	
Gauhati	,, 21	13 48	5	6	1	
Dhubri	,, 21	13 45	12	6	2	
Mymensingh	,, 21	13 47	½	5	1	
Dhubri	,, 23	16 21	18	6	3	
Gauhati	,, 26	4 59	5	6	1	
Cooch Behar	,, 23	17 21	about 15	7	1	
Gauhati	,, 23	17 20	10	6	1	
Drosh	Feb. 9	2 25	20	6	2	
Dhubri	,, 14	15 51	15	6	2	
Drosh	,, 14	20 30	60	7	2	
Cherrapunji	Mar. 6	0 18	5	4	2	
Cooch Behar	,, 6	0 43	about 15	4	1	
Gauhati	,, 6	0 21	about 65	6	2	
Salonah	,, 6	0 18	3-5	3	1	
Rawalpindi	,, 9	1 10	about 10	3	1	
Drosh	,, 9	1 10	50	6	1	
Khulna	,, 24	15 50	2	3	2	
Gauhati	,, 24	16 10	about 50	6	3	
Chittagong	,, 24	16 10	about 10	...	2	
Salonah	,, 24	16 08	12-15	5	3	
Faridpur	,, 24	16 10	5	5	1	
Badarpurghat	,, 24	16 07	2-3	5	1	
Mymensingh	,, 24	16 09	1	7	1	
Rawalpindi	,, 29	9 12	10	5	2	
Yatung, Tibet	May 17	13 50	about 55	6	1	Severe shock and several tremors.
Dhubri	July 20	7 35	13	5	3	
Cooch Behar	,, 20	8 43	...	4	1	
Gauhati	Aug. 1	6 06	about 30	6	3	
Dhubri	,, 1	6 06	26	7	2	
Cherrapunji	,, 1	6 05	5	4	2	
Mymensingh	,, 1	6 05	½	6	1	
Cooch Behar	,, 1	6 03	about 50	6	1	
Do.	,, 2	6 53 11 05	20 15	6	2	
Cherrapunji	,, 12	9 18	5	4	1	
Dhubri	Aug. 13	19 31	9	6	1	
Cooch Behar	,, 14	4 57	about 10	6	1	
Faridpur	,, 14	4 40	about 1	7	1	
Cherrapunji	,, 14	4 40	30	4	2	
Dhubri	,, 14	4 41	165	6	4	
Narayanganj	,, 14	4 40	3	4	3	
Gauhati	,, 14	4 40 7 12	about 175 about 5	7	4	
Chittagong	,, 14	4 42	about 5	4	2	
Salonah	,, 14	4 30	90-120	8	3	
Do.	,, 14	7 11	about 7	5	1	
Khulna	,, 14	4 51	1½	4	2	
Mymensingh	,, 14	4 43	15	6	2	
Yatung, Tibet	,, 14	4 40 4 41	about 5 about 8	5	Several tremors.	
Quetta	,, 25	22 45	5		1	
Drosh	Sep. 9	18 30	10	3	...	
Gauhati	,, 10	4 21	2	3	1	
Drosh	,, 10	19 30	8	3	...	
Salonah	,, 10	4 15	8-10	4	1	
Drosh	,, 11	12 30	40	6	3	
Do.	,, 11	13 00	20	4	2	
Dhubri	,, 15	14 45	16	7	3	
Cooch Behar	,, 15	14 36	about 10	4	1	
Salonah	,, 24	23 30	about 5	4	1	
Yatung, Tibet	Oct. 13	13 55	30	6	...	Several tremors.
Muktesar (Kumaun)	,, 14	1 54	about 40	4	3	
Sonamarg	,, 29	18 55	25	8	2	
Rawalpindi	Nov. 6	6 52	about 25	6	1	
Cherrapunji	,, 9	18 30	30	3	2	
Gauhati	,, 9	18 28	60	8	1	
		18 30 18 34 18 38 19 08 19 14 19 15 19 25	All about 5 seconds each.	8	9	
Gauhati	,, 10	2 15 6 17		8	2	
Gauhati	,, 10	13 19	about 10	6	1	
Dhubri	,, 10	6 35	50	6	6	Continuous.
Gauhati	,, 11	1 04 8 21	about 5 sec. each.	6	3	

JANUARY 1932—*concld.*

Reference.	Figure Column.	For	Read
Madura . . .	17.	4·1.	4·2.
Salem	3.	N 41 E.	N 43 E.
Calingapatam . .	4 and 6.	5·1 and 63·6.	5·0 and 63·7.
Gopalpur . . .	1, 2 and 17.	30·035, +070 and 1·2.	30·031, +0·66 and 1·0.
Mukteswar . . .	4, 6, 15 and 16.	7·7, 30·6 (1), 38 and —15.	7·5, 34·5, 36 and —1·76.
Page 8 . . .		*Omit* " 1-mean of 30 days " in the footnote.	
Simla	3.	S 50 E.	S 54 E.
Murree . . .	6.	33·7 (1).	33·5.
Cherat . . .	1 and 2.	25·830 and +072.	25·828 and +070.
Drosh	6.	33·7 (3).	33·5.
Coonoor . . .	1.	23·534.	24·534.
Page 8 . . .		*Omit* " 3-mean of 28 days " in the footnote.	

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

INDIA WEATHER REVIEW

ANNUAL SUMMARY FOR 1932

PART F

ERRATA TO MONTHLY WEATHER REPORTS

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UNDER THE DIRECTION OF

S. K. BANERJI, D.Sc.,

Offg. Director General of Observatories

ANNUAL SUMMARY FOR 1932.

PART F.

ERRATA SHEETS.

For the monthly Weather Reports, January to December, 1932.

JANUARY 1932.

Reference.	Figure Column.	For	Read
Victoria Point . .	2, 8, 12, 16, 19 and 21.	+030, —1·4, +0·1, —1, —·029 and —0·8.	+·062, —1·8, —0·6, —3, —·040 and —1·2.
Gwa	19 and 21.	....	*Insert* —0·01 and 0.
Kyaukpyu . . .	1, 2, 7, 8, 12, 16, 19 and 21.	30·028, +·058, 80·0, +1·1, +1·2, 0, —0·05 and —0·3.	30·025, +055, 80·1, +1·0, +0·9, +1, —0·04 and —0·2.
Minbu . . .	1 and 2.	29·908 and +·071.	29·899 and +·062.
Yamethin . . .	2, 6 and 12.	+·066, 56·0 and —1·8.	+·067, 56·6 and —0·8.
Lashio . . .	2.	+·062.	+·057.
Bhamo . . .	12.	+0·7.	—0·7.
Silchar . . .	18 and 19.	0·06 and —0·75.	0·11 and —0·70.
Srimangal . . .	2.	+·031.	+·047.
Cox's Bazar . . .	2, 11, 12, 16, 19 and 21.	+·051, 56·0, —0·5, —9, —0·06 and —0·2.	+·059, 55·8, —1·0, —7, —0·15 and —0·3.
Khulna . . .	2, 8, 12, 16, 19 and 21.	....	*Insert* +·045, +3·4, +3·1, +10, —0·40 and —0·7.
Jessore . . .	1, 2, 4, 5, 7, 11, 15, 16 and 17.	30·061, +·061, 1·4, 62·3, 79·4, 51·9, —1·3, 88, +4 and 1·1.	30·063, +·063, 1·3, 62·2, 81·3, 52·0, 90, +6 and 0·9, and *omit* the figures in columns 8 and 12.
Sandheads . . .	1, 2, 3, 6, 15, 16, 19 and 21.	30·041, +021, N15W, 69·6, 75, +2, —0·20 and —0·7.	30·052, +055, N27W, 69·4, 72, 0, —0·19 and —0·6; *omit* (1) against the station.
Midnapore . . .	1, 2, 4, 5, 6, 15 and 16.	29·934, +·057, 1·2, 61·4, 57·6, 80 and +9.	29·932, +·055, 0·9, 61·2, 57·5, 79 and +8.
Burdwan . . .	4.	·8.	1·8.
Asansol . . .	8, 12, 16, 17, 19 and 21	+2·8, +0·2, —5, 0·2, —0·50 and —1·2.	+3·6, +0·9, —0·3, 0·3, —0·31 and —0·9, and *insert* +·046 in column 2.
Berhampore . .	5, 15 and 16.	60·6, 85 and —1.	60·8, 82 and —4.
Balasore . . .	4 and 6.	6·0 and 60·3.	2·5 and 60·2.
Puri	6.	64·2.	64·1.
Angul	10.	23.	27.
Chaibasa . . .	8, 12 and 16.	+2·6, +0·6 and —3.	+2·7, 0 and —4.
Ranchi . . .	10.	22, 23.	22, 26.
Motihari . . .	1, 4, 5, 7, 11 and 14.	29·864, 1·7, 54·2, 76·4, 48·8 and 1, 18.	29·866, 1·5, 54·1, 76·5, 48·9 and 1 and *insert* +·064, +3·7, +2·1 and 2 in columns 2, 8, 12 and 16.
Patna	10.	27.	22.
Gaya	17.	0·3.	0·4.
Maymyo . . .	1 and 2.	26·540 and +·071.	26·534 and +·065.

JANUARY 1932—*contd.*

Reference.	Figure Column.	For	Read
Kalimpong . . .	....	*Insert* +·053, +1·6, +1·5, —2, —0·35 and —1·3 in columns 2, 8, 12, 16, 19 and 21.	
Satkhira . . .	....	*Insert* +·029, +2·4, +2·8, +7, —0·33 and —0·6 in columns 2, 8,12, 16, 19 and 21.	
Gorakpur . . .	11 and 12.	48·9 and +0·2.	49·1 and +04.
Ludhiana . . .	18, 19, 20, 21 and 22.	0, —1·72, 0, —2·9 and 0.	0·70, —1·02, 1, —1·9 and 070, and *insert* 10 in column 23.
Lahore . . .	8, 12 and 16.	+2·4, +1·8 and +7.	+2·0, +3·1 and +9.
Sialkot . . .	1, 2, 6, 11, 12 and 17.	29·229, +043, 45·8, 43·2, +0·5 and 35.	29·226, +040, 45·9, 43·3, +0·6 and 3·4; *omit* 2 against the station.
Rawalpindi . . .	4.	3·0.	2·0.
Multan . . .	18 and 19.	0·28 and —0·14.	0·30 and —0·12.
Srinagar . . .	4.	2·1.	2·0.
Gilgit	18, 19, 20, 21, 22 and 23.	0·05, —0·20, 0, —0·8, 00·3 and 9.	0·17, —0·08, 1, +0·2, 012 and 10.
Chaman . . .	18, 19, 20 and 21.	1·17, —0·40, 4 and 0·1.	1·31, —0·26, 5 and +0·9.
Las Bela . . .	3.	N 15 W.	N 18 W.
Dalbandin . . .	18 and 19.	1·04 and +0·16.	1·07 and +0·19.
Hyderabad (Sind) .	3.	N 15 W.	N 11 W.
Chhor	1 and 3.	30·076 and N 37 E.	30·067 and N 28 E.
Ajmer	6.	49·3.	49·4.
Dwarka . . .	1, 2, 7 and 8.	30·039, +·036, 80·6(3) and +23.	30·040, +037, 80·3 and +2·0.
Jhalrapatan . .	3.	N 67 E.	N 24 W.
Neemuch . . .	4.	3·4.	2·9.
Dohad . . .	1.	30·048.	29·048.
Guna	17.	1·2.	0·9.
Umaria . . .	1.	29·545.	28·545.
Seoni	17.	0·7.	0·8.
Raipur . . .	1 and 2.	29·085 and +·060.	29·083 and +058.
Jagdalpur . . .	1 and 2.	28·216 and +036.	28·217 and +·037.
Malegaon . . .	1 and 2.	28·620 and +·069.	28·619 and +068.
Belgaum . . .	11 and 12.	58·0 and +0·2.	57·9 and +0·1.
Raichur . . .	4.	5·6.(1)	5·6.
Hyderabad (Deccan) .	7 and 8.	82·9 and —1·3.	83·4 and —0·8.
Page 7 . . .		*Omit* " 1-mean of 30 days " in the footnote.	
Pamban . . .	11 and 12.	74·6 and +0·3.	74·7 and +0·4.

FEBRUARY 1932.

Reference.	Figure Column.	For	Read
Victoria Point . .	2, 8, 12, 13, 14, 16, 19, 21, 22 and 23.	+·002, —0·3, +1·1, 73, 4, 20, +5, +0·82, +1·7, 0·10 and 20.	+·023, —0·6, +0·7, 72, 28, +3, +0·20, +0·7, 0·85 and 28 ; and *insert* 23 in column 10.
Mergui . . .	10.	4 days.	5 days.
Diamond Island . .		*Omit* 17 in column 10.	
Gwa	....	*Insert* 17, —0·02 and +0·8 in columns 10, 19 and 21.	
Kyaukpyu . . .	8, 12, 13, 14, 16, 19 and 21.	—0·4, +2·4, 62, "2, 11," —9, +1·95 and +2·7.	—0·5, +2·0, 61, 23, —10, +1·91 and + 2·6.
Akyab . . .	4.	6·7 (3).	7·0 (3).
Yamethin . . .	2.	—·002.	—·001.
Mandalay . . .	3, 15 and 16.	N 22 E, 73 and +5.	N 11 E, 74 and +6.
Lashio . . .	1 and 2.	27·104 and +·044.	27·110 and —·010.
Sibsagar . . .	17.	5·8.	6·5.
Dhubri . . .		*Omit* 10 in column 14.	
Silchar . . .	18, 19, 20 and 21.	3·07, +0·95, 5 and +1·4.	3·43, +1·31, 7 and +3·4.
Srimangal . . .	2.	—·004.	—·002.
Cox's Bazar . . .	2, 11, 12, 16, 19 and 21.	—·004, 58·4, —0·9, —15, +0·18 and +0·3.	+·003, 58·2, —1·2, —13, +0·06 and +0·2.
Chittagong . . .	5, 6 and 17.	63·2, 58·7 and 1·3.	63·1, 58·6 and 1·5.
Mymensingh . .	18 and 19.	0·74 and —0·20.	0·75 and —0·19.
Khulna . . .	1 and 11.	29·945 and 59·0.	29·939 and 58·8, and *insert* —·018, +0·4, +0·6, +4, —0·64 and —0·4 in columns 2, 8, 12, 16, 19 and 21.
Jessore . . .	3, 7, 15, 16 and 17.	S 11 W, 79·8 (4), 81, 0 and 2·7.	S 22 W, 81·7 (4), 82, +1 and 2·8 and *omit* figures in columns 8 and 12.
Satkhira . . .	*Insert* —·031, +0·2, —0·2, +3, —·053 and +1·0 in columns 2, 8, 12, 16, 19 and 21.		
Sandheads . . .	2, 16, 19 and 21.	—·037, —10, —043 and —0·1.	—·023, —9, —·031 and 0.
Midnapore . . .	4, 6, 15, 16, 17, 18 and 19.	2·0, 59·1, 68, 0, 2·6, 1·07 and —0·13.	1·9, 59·0, 69, +1, 2·6, 1·09 and —0·11.
Burdwan . . .	4 and 17.	2·4 and 2·2.	2·3 and 2·3.
Asansol . . .	1, 4, 6, 8, 12, 15, 16, 17, 19 and 21.	29·520, 3·1, 54·7, —0,5, —1·0, 59, —8, 1·9, —0·40 and +1·5.	29·523, 3·3, 54·8, —0·3, —0·8, 60, —7, 2·0, —0·50 and +1·2, and *insert* —·024 in column 2.
Berhampore . .	4 and 5.	1·8 and 62·2.	1·4 and 62·4.
Rampur Boalia . .	21.	+3·5.	+2·5.
Rangpur . . .	18 and 19.	0·64 and —0·05.	0·65 and —0·04.
Cooch Behar . .	19.	+0·30.	—0·38.
Puri	1, 2, 4 and 5.	29·916, —025, 9·7 and 72·2.	29·915, —·026, 9·5 and 72·3.

FEBRUARY 1932—*contd.*

Reference.	Figure Column.	For	Read
Chaibasa . . .	8 and 16.	—2·1 and —6.	—2·2 and —7.
Motihari . . .	....	*Insert* —·020, +1·7, 0 and —16 in columns 2, 8, 12 and 16.	
Kalimpong . . .	18, 20, 22 and 23.	0·06, 0, 0·04 and 7.	0·22, 1, 0·14 and 21, and *insert* —·017, —1·4, —1·9, —6, —1·28 and —2·0 in columns 2, 8, 12, 16, 19 and 21.
Bahraich . . .	1, 2, 7, 8, 9 and 10.	29·505, —·035, 78·2, +1·8, 89 and 14.	29·504, —·036, 77·9, +1·5, 86 and 29.
Bareilly . . .	1.	29·365.	29·363.
Delhi	2.	—·021.	—·017.
Ambala . . .	18 and 19.	1·73 and +0·08.	1·77 and +0·12.
Lahore . . .	8, 12 and 16.	+1·4, —0·5 and —3.	+1·1, +0·7 and +2.
Rawalpindi . . .	4.	4·2.	2·7.
Lyallpur . . .	1 and 2.	29·368 and +·006.	29·355 and —·007.
Bahawalpur . .	1.	29·575.	29·573.
Khanpur . . .	17.	2·1.	1·8.
Dras	18 and 19.	1·88 and —0·79.	1·87 and —0·80.
Gilgit	4.	3·4.	3·1.
Miranshah . . .	18.	0·03.	0·07.
Dera Ismail Khan .	17.	3·0.	3·1.
Quetta . . .	1, 2, 3, 4, 5, 7, 8, 11, 12, 15 and 16.	24·676, —·029, S 61 E, 4·4, 32·4, 58·4, +5·9, 27·4, —5·4, 44 and —22.	24·675, —·030, S 59 E, 4·3, 31·9, 58·1, +5·6, 27·1, —5.7, 62 (10) and —4, *omit* (3) against the station.
Chaman . . .	4.	5·6.	5·4.
Kalat	4.	7·8.	7·0.
Jacobabad . . .	1.	29·762.	29·754.
Hyderabad . . .	3.	S 87 W.	S 81 W.
Jaipur . . .	6.	49·4.	49·3.
Jhalrapatan . .	1 and 11.	29·891 and 49·3.	28·891 and 49·2.
Dohad . . .	1.	29·952.	28·952.
Jagdalpur . . .	17.	1·4.	1·5.
Bhopal . . .	11 and 13.	53·5 and 43.	54·5 and 44.
Umaria . . .	1.	29·424.	28·424.
Malegaon . . .	1 and 2.	28·512 and —·002.	28·511 and —·003.
Ahmadnagar . .	1, 2 and 4.	27·780, —·014 and 3·8.	27·779, —·015 and 3·7.
Bijapur . . .	1, 2 and 5.	27·977, —·004 and 69·4.	27·978, —·003 and 69·3.

FEBRUARY 1932—*concld.*

Reference.	Figure Column.	For	Read
Hyderabad (Dn.) . .	7 and 8.	87·5 and —2·2.	88·0 and —1·7.
Hanamkonda . .	6, 15 and 16.	63·5, 68 and +6.	63·1, 66 and +4.
Vellore . . .	7 and 8.	86·1 and —3·2.	86·2 and —3·1.
Cuddapah . . .	18 and 19.	0·03 and —0·11.	0·08 and —0·06.
Cocanada . . .	4.	3·4.	4·6.
Calingapatam . .	11 and 12.	67·9 and +0·2.	68·0 and +0·3.
Mussooree . . .	17.	3·6.	3·3.
Cherat . . .	1 and 2.	25·727 and +005.	25·729 and +·007.
Drosh	3.	S 67 E.	S 64 E.
Coonoor . . .	1.	23·481.	24·481.

MARCH 1932.

Reference.	Figure Column.	For	Read
Victoria Point . .	2, 8, 12, 16, 19 and 21.	+·008, —0·9, +0·2, —3, —0·89 and —0·4.	+·023, —0·2, +0·1, —4, —2·05 and —2·2.
Port Blair . . .	13.	74.	73.
Mergui . . .	....	*Insert* 14 in figure column 14.	
Diamond Island . .	12.	—1·5.	+1·5.
Kyaukpyu . . .	8, 12, 19 and 21.	—0·7, +1·6, —0·39 and —0·5.	—0·6, +1·7, —0·28 and —0·4.
Minbu . . .	2.	+·074.	+·015.
Yamethin . . .	2.	+·077.	+·019.
Mandalay . . .	18 and 19.	0·05 and —0·14.	0·09 and —0·10.
Monywa . . .	2.	+0·73.	+·018.
Lashio . . .	2.	+0·75.	—·021.
Bhamo . . .	2.	+·018.	+·027.
Myitkyina . . .	2.	+0·76.	+·027.
Sibsagar . . .	18 and 19.	2·41 and —2·37.	2·44 and —2·34.
Dhubri . . .	7 and 8.	88·3 and +2·4.	88·4 and +2·5.
Silchar . . .	18, 19, 20 and 21.	4·51, —3·40, 5 and —4·4.	4·82, —3·09, 6 and —3·4.
Srimangal . . .	2.	—·001.	+·004.
Cox's Bazar . . .	2, 8, 12, 16, 19 and 21.	+·024, +0·3, +0·3, —6, —0·47 and —0·7.	+·022, +0·4, +0·5, —5, —0·23 and —0·3.
Noakhali . . .	3, 7, 8, 9 and 10.	N 63 E, 88·5, +2·1, 97 and 12.	E, 88·2, +1·8, 94 and 28.
Mymensingh . .	6.	67·7.	67·6.
Khulna . . .	2, 8, 12, 16, 19 and 21.	*Insert* +·009, +2·8, +1·8, —1, —0·12 and +0·5.	
Jessore . . .	1, 2, 5 and 17.	29·860, +·015, 76·0 and 3·0.	29·863, +·018, 76·1 and 2·8 ; *omit* the figures in columns 8 and 12.
Satkhira . . .	2, 8, 12, 16, 19 and 21.	*Insert* —·001, +3·2, +1·3, +1, —0·05 and —0·2.	
Saugor Island . .	1, 2, 3, 4, 6, 9, 10, 15, 16 and 17.	29·874, +·014, S 62 W, 12·1, 73·7, 97, 27, 74, —9 and 3·6.	29·875, +·012, S 56 W, 12·0, 73·8, 98, 30, 75, —8 and 3·8 ; *omit* (*a*) against the station.
Sandheads . . .	2, 16, 19 and 21.	—·016, —2, —0·76 and —1·2.	—·007, —1, —0·66 and —1·0.
Midnapore . . .	4, 6 and 17.	2·7, 67·2 and 2·3.	2·4, 67·1 and 2·2.
Burdwan . . .	3.	S 82 W.	S 79 W.
Asansol . . .	1, 4, 5, 8, 12, 15, 16, 19 and 21.	29·462, 3·9, 76·5, +2·3, +1·9, 40, —15, —1·20 and —2·2.	29·464, 3·8, 75·8, +2·7, +2·2, 43, —11, —0·91 and —2·4.
Asansol . . .	....	*Insert* +·017 in column 2.	
Berhampore . .	3.	S 41 W.	S 29 W.

MARCH 1932—*contd.*

Reference.	Figure Column.	For	Read
Dinajpur . . .	. . . .	*Insert* 15 in column 14.	
Page 21 . . .	Station.	Cuttack.	Cuttack (*a*).
Jamshedpur . .	1.	29·511.	29·458.
Chaibasa . . .	8, 12 and 16.	+0·6, +0·7 and 0.	−0·1, +0·3 and +1.
Daltonganj . . .	7.	91·0.	91·8.
Motihari . . .	2, 8, 12 and 16.	*Insert* +·018, +3·5, +1·6 and —15.	
Naya Dumka . .	7 and 8.	94·6 (*a*) and +3·4.	94·7 and +3·5.
Maymyo . . .	2.	+·084.	+·030.
Kalimpong . . .	18.	0·40.	0·52.
Kalimpong . . .	2, 8, 12, 16, 19 and 21.	*Insert* +·031, +2·3, +2·7, —1·0, —0·61 and —1·1.	
Cherrapunji . . .	15 and 16.	61 and —8.	62 and —7.
Gorakhpur . . .	11 and 12.	62·5 and +0·9.	62·3 and +0·7.
Bahraich . . .	1 and 2.	29·450 and +·011.	29·453 and +·014.
Mainpuri . .	4.	3·0.	2·6.
Delhi	2.	+·010.	+·032.
Ludhiana . . .	1, 2 and 4.	29·075, +·028 and 1·5.	29·074, +·027 and 1·7.
Lahore . . .	8, 12 and 16.	+0·4, +1·3 and —5.	+0·8, +3·0 and +3.
Khushab . . .	4.	5·9.	5·8.
Montgomery . .	3.	N 41 E.	N 34 E.
Bahawalpur . .	1, 4 and 17.	29·527, 3·2 and 1·8.	29·529, 3·1 and 1·6.
Dras	18 and 19.	2·69 and—1·51.	2·68 and— 1·52.
Peshawar . . .	1, 2, 5, 6, 7, 8, 11, 12 and 17.	28·767, +·010, 60·7, 56·1, 76·9, +2·4, 54·1, +2·0 and 6·4.	28·772, +·015, 60·5, 56·0, 76·8, +2·3, 54·0, +1·9 and 6·5.
Hyderabad (Sind) .	3.	N 64 W.	N 66 W.
Jhalrapatan . .	1.	29·865.	28·865.
Deesa	1, 2, 7, 8, 11 and 12.	29·448, +·017, 97·6, +1·8, 62·5, and —0·6.	29·451, +·020, 97·7, +1·9, 62·4 and —0·7.
Dwarka . . .	4.	10·3.	10·7.
Veraval . . .	3.	N 5 W.	N 4 W.
Ahmadabad . .	3.	N 1 E.	N 3 E.
Neemuch . . .	5, 7 and 8.	74·9, 94·3 (*b*) and +3·5.	75·1, 90·6 and —0·2.
Dohad . . .	1 and 3.	29·924 and S 78 E.	28·924 and S 81 E.
Indore . . .	18 and 19.	0·32 and +0·26.	0·36 and +0·30.

MARCH 1932 —*concld.*

Reference.	Figure Column.	For	Read
Bhopal . . .	11 and 13.	61·7 and 51.	62·7 and 52.
Sutna	18 and 19.	0·46 and —0·02.	0·47 and —0·01.
Umaria . . .	1.	29·405.	28·405.
Saugor . . .	1, 2, 6, 7, 8, 11, 12, 18, 19, 20 and 21.	28·114, +·044, 57·7 (*b*), 89·4 (*b*), —1·5, 64·4 (*b*), —0·3, 0·56, +0·21, 2 and +1·2.	28·115, +·045, 57·5, 89·5, —1·4, 64·3, —0·4, 0·83, +0·48, 3 and +2·2.
Raipur . . .	1 and 2.	28·911 and +·013.	28·912 and +·014.
Ahmadnagar . .	18, 19 and 22.	0, —0·16 and 0.	0·06, —0·10 and 0·05, and *insert* 23 in column 23.
Sholapur . . .	5, 15 and 16.	80·2, 32 and —1.	79·8, 34 and +1.
Hyderabad (Dn.) . .	6, 7 and 8.	65·4, 94·5 and —2·2.	65·0, 95·0 and —1·7.
Bangalore . . .	3.	S 31 E.	S 33 E.
Trivandrum . .	1, 2, 6, 7, 8, 15, 16 and 17.	29·676, +·001, 74·7, 87·6, 0, 78, +1 and 3·4.	29·675, 0, 74·6, 87·7, +0·1, 76, —1 and 3·3.
Vellore . . .	7 and 8.	88·8 and —6·0.	87·3 and —7·5.
Cocanada . . .	4.	3·1.	4·2.
Mussooree . . .	17.	5·1.	4·5.
Murree . . .	7 and 8.	56·1 and —0·2.	55·5 and —0·8.
Parachinar . . .	18, 19, 22 and 23.	6·76, +2·22, 1·25 and 11.	7·76, +3·22, 1·71 and 30.
Drosh	4.	1·9 (*b*).	2·1.
Coonoor . . .	1.	23·486.	24·486.

APRIL 1932.

Reference.	Figure Column.	For	Read
Victoria Point . .	2, 8, 16, 19 and 21.	+·013, —1·9, —2, +0·26 and —1·6.	+·028, —1·2, —3, —0·68 and —2·7.
Toungoo . . .	18 and 19.	0·07 and —1·78.	0·08 and —1·77.
Kyaukpyu . . .	8, 12, 16, 19 and 21.	—0·8, +1·0, +1, —053 and +0·2.	—0·9, +0·4, —1, —1·07 and 0.
Bhamo . . .	18, 19, 20, 21 and 22.	2·36, +047, 3, —1·8 and 1·50.	1·49, —0·40, 4, —0·8 and 0·60.
Srimangal . . .	2.	+·014.	+·012.
Cox's Bazar . . .	2, 8, 12, 16, 17, 19 and 21.	+·009, +0·8, +0·6, —3, 4·7, —0·48 and —0·1.	+·012, +0·5, —0·1, —4, 4·6, —0·28 and +0·3.
Khulna . . .	3, 18 and 20.	S 21 W, 4·10 and 6.	S 25 W, 4·73 and 7.
Khulna . . .	2, 8, 12, 16, 19 and 21.	*Insert* +·001, +1·9, 0, —1, +1·46 and +1·6.	
Jessore . . .		*Omit* the figures in columns 8 and 12.	
Satkhira . . .	2, 8, 12, 16, 19 and 21.	*Insert* —·010, +2·6, 0, —6, —2·04 and —1·6.	
Sandheads . . .	2, 16, 19 and 21.	—·033, —2, +0·54 and +1·6.	—·020, —1, +0·68 and +1·7.
Asansol . . .	2, 8, 12, 16, 19 and 21.	*Insert* +·008, +0·4, +0·6, —17, —0·63 and —0·3.	
Sambalpur . . .	10.	8.	30.
Chaibasa . . .	8 and 12.	—0·5 and —0·5.	—0·8 and —1·0.
Ranchi . . .	1 and 2.	27·655 and +·024.	27·657 and +·026.
Motihari . . .	2, 8, 12 and 16.	*Insert* +·012, +0·6, —0·3 and —13.	
Patna	14.	*Insert* 30.	
Shillong . . .	....	*Insert* "(*b*)" against the sta tion and "(*b*)—mean of 29 days" in the footnote on page 32.	
Kalimpong . . .	2, 8, 12, 16, 19 and 21.	*Insert* +·023, +1·9, +1·3, —12, —0·09 and —2·5.	
Sabour . . .	Station.	Sabour (*f*).	Sabour (*b*).
Gorakpur . . .	1, 2, 3, 5, 6, 7, 8, 11, 12, 15 and 16.	28·492, +·011, N 59 E, 82·7, 66·8, 100·3, +0·9, 71·6, +0·1, 40 and —12.	29·494, +·013, N 45 E, 81·9, 66·6, 100·4, +1·0, 71·4, —0·1, 42 and —10; *insert* (*d*) instead of (*e*) against the station.
Page 29 . . .	In the footnotes *omit* "(*e*) mean of 26 days," and *insert* "(*d*) mean of 27 days."		
Bahraich . . .	1, 2, 11 and 12.	29·349, +·015, 69·6 and +0·4.	29·338, +·014, 69·7 and +0·5.
Agra	1, 2, 5, 7 and 8.	29·212, +·012, 82·1, 99·2 and —2·5.	29·213, +·013, 81·9, 99·3 and —2·4; *omit* (*b*) against the station.
Mainpuri . . .	3, 4, 5, 6 and 15.	N 41 W, 3·1, 83·9 (*b*), 66·1 (*b*) and +34 (*b*).	N 38 W, 2·9, 84·1, 66·2 and 34.
Page 29 . . .		*Omit* the footnote "(*b*) mean of 29 days."	
Delhi	2.	—·004.	+·018.

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Reference.	Figure Column.	For	Read
Ludhiana . . .	1 and 2.	28·950 and +·022.	28·949 and +·021.
Lahore . . .	8, 12 and 16.	+1·7, +0·9 and —9.	+2·4, +2·7 and —2.
Khushab . . .	4, 11 and 12.	5·1, 68·2 and +1·5.	5·5, 67·9 and +1·2.
Montgomery . .	1, 2, 4, 6, 7, 11, 12, 15 and 16.	29·187 (*b*), —004 (*b*), 2·7, 66·0 (*b*), 98·0 (*b*), 68·1 (*b*), +1·3, 50 (*b*) and +12.	29·188, —003, 2·7, 66·1, 98·0, 68·2, +1·4, 51 and +13.
Peshawar . . .	1, 2, 6, 7, 8, 11, 12 and 17.	28·640, —·010, 62·6, 91·4, +6·5, 62·9, +2·5 and 3·9.	28·639, —011, 62·7, 91·5, +6·6, 63·1, +2·7 and 4·1 ; *omit* (*b*) against the station.
Jacobabad . . .	3.	S 74 E.	S 77 E.
Karachi . . .	3 and 17.	N 84 W and 2·7.	N 87 W and 2·8.
Chhor	6 and 15.	69·6 and 54.	69·7 and 53.
Miranshah . . .	1, 5, 6, 7 and 11.	26·871, 68·6, 57·6, 80·2 and 60·7.	26·872, 68·7, 57·7, 80·4 and 60·6 ; *omit* (*c*) against the station.
Kalat	18, 19 and 22.	0, —0·54 and 0.	0·09, —·045 and 0·09 and *insert* 25 in column 23.
Page 30 . . .	*Omit* the footnotes "(*b*) mean of 29 days" and "(*c*) mean of 28 days."		
Jhalrapatan . .	4.	3·7.	3·4.
Deesa	1 and 2.	29·356 and +·016.	29·358 and +018.
Bhuj	1 and 2.	29·476 and +·009.	29·479 and +·012.
Dwarka . . .	7 and 8.	86·9 and +2·1.	86·8 and +2·0.
Rajkot . . .	17.	3·4.	3·7.
Veraval . . .	17.	2·7.	2·8.
Surat	17.	3·2.	3·3.
Bhavnagar . . .	1 and 2.	29·806 and +·030.	29·807 and +·031.
Dohad . . .	1.	29·843.	28·843.
Neemuch . . .	*Omit* the figures in columns 6, 15 and 16.		
Bhopal . . .	11 and 13.	72·3 and 59.	73·3 and 60.
Amraoti . . .	*Omit* the figures in columns 6, 15 and 16.		
Hoshangabad . .	*Omit* the figures in columns 6, 15 and 16.		
Seoni	1.	28·800.	27·800.
Nagpur . . .	6.	64·9.	65·0.
Page 31 . . .	*Omit* the footnote "(*l*) mean of 19 days."		
Pendra . . .	1.	27·733.	27·773.
Raipur . . .	1 and 2.	28·811 and +0·07.	28·815 and +·011.
Chanda . . .	4.	3·5.	3·6.

APRIL 1932—*concld.*

Reference.	Figure Column.	For	Read
Jagdalpur . . .	1, 2, 4, 6, 7, 11 and 12.	28·005 (*b*), —·007, 2·7 (*b*), 70·0 (*b*), 99·7 (*b*), 71·2 (*b*) and —0·8.	28·001, —·011, 2·7, 70·0, 99·7, 71·1 and —0·9.
Page 31 . . .		*Omit* the footnote "(*b*) mean of 29 days."	
Ratnagiri . . .	17.	1·2.	1·4.
Belgaum . . .	18, 19, 20 and 21.	4·57, +2·97, 5 and +1·7.	6·48, +4·88, 7 and +3·7.
Aurangabad . .	7 and 8.	100·2 and —1·4.	99·8 and —1·8.
Hyderabad (Dn.) . .	7 and 8.	100·3 and —0·9.	100·8 and —0·4.
Chitaldrug . . .	3.	S 61 W.	S 65 W.
Mysore . . .	4.	6·6.	3·2.
Calicut . . .	18 and 19.	2·02 and —1·26.	2·05 and —1·23.
Madura . . .	7 and 8.	98·0 and —1·1.	98·3 and —0·8.
Negapatam . . .	18 and 19.	3·05 and +2·48.	3·12 and +2·55.
Trichinopoly . .	17.	3·8.	3·6.
Salem	1 and 2.	28·908 and —·007.	28·922 and +·007.
Cuddalore . . .	18, 19, 20 and 21.	2·08, +1·48, 2 and +1·0.	2·81, +2·21, 3 and +2·0.
Vellore . . .	11, 12, 18 and 19.	76·1, —0·1, 0·20 and —0·75.	76·2, 0, 0·23 and —0·72.
Vizagapatam . .	4.	4·6.	4·7.
Gopalpur . . .	4, 11, 12, 17, 18, 19, 20, 21 and 22.	11·3, 76·7, —0·4, 3·7, 0·01, —0·78, 0, —1·6 and 0·01.	11·1, 76·6, —0·5, 3·8, 0·14, —0·65, 1, —0·6 and 0·13.
Mahableshwar . .	11.	66·2.	66·4.
Coonoor . . .	1 and 17.	23·470 and 3·4.	24·470 and 3·7.
Cuddapah . . .	18, 19, 20, 21 and 22.	0·01, —0·44, 0, —0·9 and 0·01.	0·14, —0·31, 1, +0·1 and 0·12.

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Reference.	Figure Column.	For	Read
Victoria Point . .	2, 8, 12, 16, 19 and 21.	+·005, +1·2, +1·0, —6, —6·65 and —5·6.	+·016, +1·6, +1·2, —7, —9·31 and —6·6.
Bassein . . .	15 and 16.	71 and —13.	72 and —12.
Toungoo . . .	18, 19, 22 and 23.	7·95, +0·23, 1·76 and 20.	6·98, —0·74, 1·57 and 16.
Kyaukpyu . . .	8, 12 and 19.	+0·9, +2·0 and —4·76.	+0·7, +1·7 and —3·78.
Lashio . . .	2.	+·010.	+·013.
Tezpur . . .	18 and 19.	17·36 and +7·41.	17·45 and +7·50.
Dhubri . . .	18, 19, 20 and 21.	17·85, +3·16, 15 and +0·1.	18·24, +3·55, 16 and +1·1.
Silchar. . . .	18 and 19.	19·59 and +4·00.	20, 23 and +4·64.
Srimangal . . .	2.	+·002.	—·003.
Cox's Bazar . . .	2, 8, 12, 16, 19 and 21.	+·016, +0·8, +1·4, —7, —8·17 and —2·1.	+·019, +0·6, +0·8, —8, —7·67 and —1·0.
Chittagong . . .	3 and 4.	S 38 E and 9·2 (*a*).	S 37 E and 9·2.
Mymensingh. . .	1 and 2.	29·642 (*a*) and —·019.	29·645 and —·016.
Khulna . . .	2, 8, 12, 16, 19 and 21.	*Insert* —·022, +0·7, +1·7, +6, +3·01 and —3·6.	
Jessore . . .	1, 2, 15, 16 and 17.	29·650, —·010, 81, —1 and 5·1.	29·647, —·013, 82, 0 and +5·0.
Satkhira . . .	3, 5, 7 and 17.	S 36 W, 84·6, 95·3 and 5·4.	S 39 W, 84·7, 95·4 and 5·5.
Satkhira . . .	2, 8, 12, 16, 19 and 21.	*Insert* —·034, +0·9, +2·0, —2, +2·59 and —3·9.	
Saugor Island . .	1, 2, 4, 5, 6 and 17.	29·661, —·007, 18·6, 84·0, 86·0 and 7·5.	29·660, —·008, 18·8, 83·9, 79·9 and 7·9.
Sandheads . . .	1, 2, 6, 15, 16, 17, 18, 19 and 21.	29·650 (*a*), —·041, 77·8, 77, —8, 4·8, 6·90, +4·70 and 0.	29·671, —0·29, 80·3, 87, +3, 4·5, 6·04, +4·40 and 1·0.
Midnapore . . .	1, 2 and 17.	29·515, —·002 and 4·5.	29·516, —·001 and 4·3.
Asansol . . .	4, 8, 12, 15, 16, 19 and 21.	53, +0·3, +1·7, 58, —14, —0·24 and—0·3.	5·4, —0·1, +2·0, 60, —8, +1·23 and 1·2,
		Insert +·016 in column 2.	
Chaibasa . . .	8, 12 and 16.	+0·1, +1·4 and 0.	—1·1, +0·4 and +1.
Purnea . . .	3.	N 82 E.	N 77 E.
Darbhanga . . .	4.	11·8.	4·8.
Motihari . . .	2, 8, 12 and 16.	*Insert* —·027, +4·6, +0·8 and —13.	
Naya Dumka . .	10, 18 and 19.	10, 1·66 and —1·87.	12, 1·67 and —1·86.
Maymyo . . .	17.	3·4.	3·6.
Cherrapunji . . .	18, 19 and 22.	117·75, +71·47 and 31·40.	117·77, +71·49 and 31·42.
Kalimpong . . .	2, 8, 12, 16, 19 and 21.	*Insert* —·012, +·05, +0·3, —8, +1·58 and +0·2.	

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Reference.	Figure Column.	For	Read
Gorakhpur . . .	5, 6, 15 and 16.	87·6, 73·2, 47 and —15.	87·9, 73·8, 49 and —13.
Bahraich . . .	1 and 2.	29·209 and —·024.	29·206 and —·027.
Page 37 . . .	Station.	Aligarh.	Aligarh (*a*).
Bareilly . . .	4.	3·1.	2·6.
Delhi		*Insert* —·003 in column 2.	
Ludhiana . . .	1 and 2.	28·822 (*b*) and +·013.	28·824 and +·15.
Lahore . . .	8, 12 and 16.	—4·2, —3·0 and —9.	—3·2, —1·1 and —3.
Sialkot . . .	1, 2, 3, 4, 5, 7, 8, 11, 12, 15 and 16.	28·821, +·032, N 29 E, 3·1, 84·4, 99·0, —3·4, 71·8, —2·6, 33 and —10.	28·818, +·029, N 26 E, 3·0, 84·6, 99·5, —2·9, 71·7, —2·7, 32 and —11.
		Omit "(*a*)" against the station.	
Khushab . . .	11 and 12.	72·1 and —4·6.	72·5 and —4·2.
Lyallpur . . .	1 and 2.	29·048 and +·040.	29·049 and +·041.
Montgomery . .	1, 2, 5 and 17.	29·063 (*a*), +·017, 85·6 and 1·9.	29·070, +·024, 85·5 and 2·2.
Bahawalpur . .	1, 18 and 22.	29·244 (*a*), 0 and 0.	29·246, 0·04 and 0·04 and *insert* 10 in column 23.
Dras	18 and 19.	3·43 and +1·04.	3·42 and +1·03.
Gilgit	18, 19, 22 and 23.	0·11, —0·62, 0·04 and 9.	0·16, —0·57, 0·05 and 7.
Peshawar . . .	11 and 12.	68·8 (*a*) and —1·4.	69·2 and —1·0.
Miranshah . . .	1, 5, 6, 7, 11 and 15.	26·792, 74·6, 64·4, 85·9, 65·3 and 56.	26·789, 75·0, 64·8, 86·4, 65·7 and 57; and *insert* 100 and 28 in columns 9 and 10.
Jacobabad . . .	8 and 9.	110·0 and —2·1.	109·6 and —2·5.
Chhor	6 and 15.	75·2 and 51.	75·5 and 52.
Hyderabad (Sind) .	17.	1·2.	1·5.
Karachi . . .	3.	S 73 W.	S 74 W.
Badin	6, 11 and 15.	76·9 (*j*), 77·2 (*a*) and 57.	76·5 (*o*), 76·9 (*b*) and 76.
Page 38 . . .	*Omit* the footnote "(*j*) mean of 21 days" and *insert* "(*o*) mean of 16 days".		
Bikaner . . .	7 and 8.	105·4 and —2·0.	105·6 and —1·8.
Jodhpur . . .	5, 15 and 16.	91·2, 27 and —14.	91·1, 28 and —13.
Barmer . . .	5.	90·4.	90·3.
Jaipur . . .	17.	0·3.	0·4.
Bhuj	7 and 8.	104·7 and +3·5.	104·4 and +3·2.
Rajkot . . .	17.	2·9.	3·3.
Surat	4.	6·3.	6·6.
Dohad . . .	1.	29·720.	28·720.

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Reference.	Figure Column.	For	Read
Bhopal . . .	11 and 13.	79·1 and 70.	80·1 and 71.
Pendra . . .	4.	5·5.	5·6.
Raipur . . .	4, 6, 18 and 19.	4·8, 71·4, 0·02 and —0·98.	4·6, 71·7, 0·03 and —0·97.
Kanker . . .	11.	80·1.	79·8.
Jagdalpur . . .	1, 2, 4 and 17.	27·897, —·015, 5·6 and 1·3.	27·894, —·018, 3·2 and 1·6.
Ratnagiri . . .	18, 19 and 22.	2·72, +1·36 and 1·23.	2·82, +1·46 and 1·33.
Marmagao . . .	11.	79·0 (*a*).	80·0 (*a*).
Sholapur . . .	18 and 19.	0·43 and —0·60.	0·39 and —0·64.
Miraj	3.	N 73 W.	N 79 W.
Belgaum . . .	1 and 2.	27·242 and —·025.	27·239 and —·028.
Parbhani . . .	18 and 19.	0·80 and —0·55.	0·89 and —0·46.
Nizamabad . . .	1, 2, 11 and 12.	28·467, —·021. 81·8 and +0·8.	28·468, —·020, 82·0 and +1·0.
Raichur . . .	1, 2, 11, 12 and 17.	28·438 (*a*), —·007, 79·7, +0·5 and 2·5.	28·439 (*a*), —·006, 79·6, +0·4 and 2·6.
Hyderabad (Dn.) . .	3, 7, 8, 18 and 19.	S 47 W, 101·6, —1·5, 1·12 and +0·12.	S 52 W, 102·1, —1·0, 1·15 and +0·15.
Cochin . . .	3.	N 66 E.	N 61 E.
Pamban . . .	4.	10·1.	10·2.
Madura . . .	7 and 8.	95·6 and —4·4.	95·7 and —4·3.
Cuddalore . . .	4.	6·6.	6·7.
Kurnool . . .	5.	87·2.	87·5.
Nellore . . .	17.	5·7.	5·8.
Calingapatam . .	18, 19, 22 and 23.	4·52, +1·63, 1·45 and 24.	3·42, +0·53, 1·24 and 25.
Gopalpur . . .	1, 2, 18, 19, 20, 21 and 22.	29·627, +·004, 0·05, —1·92, 0, —3·1 and 0·04.	29·629, +·006, 0·74, —1·23, 2, —1·1 and 0·48.
Mukteswar . . .	18 and 19.	1·65 and —0·89.	1·64 and —0·90.
Mussooree . . .	17 and 18.	3·9 and 1·42.	3·7 and 1·45.
Simla	11 and 12.	55·9 and 1·5.	56·1 and —1·3.
Murree . . .	1, 3, 4, 6 and 17.	23·174, N 47 E, 3·7, 48·2 and 3·9.	24·187, N 41 E, 3·6, 48·3 and 3·8.
		Omit "(*a*)" against the station.	
Parachinar . . .	1, 2, 3, 5, 6, 7, 8, 11, 12 and 17.	24·386, +·35, S 16 W, 67·3, 53·0, 75·8, 3·8, 53·3, —2·4 and 2·9.	24·387, +·036, S 23 W, 67·7, 53·2, 76·3, —3·3, 53·7, —2·0 and 2·8.
Drosh	18 and 19.	0·87 and —1·08.	0·86 and —1·09.
Mount Abu . . .	1 and 2.	25·928 and —0·11.	25·925 and —0·14.
Coonoor . . .	1 and 17.	23·384 and 6·9.	24·384 and 6·7.

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Reference.	Figure Column.	For	Read
Victoria Point . .	2, 8, 16, 19 and 21.	+·003, —0·9, 0, —1·16 and +5·1.	+·013, —0·5, —1, —2·58 and +4·6.
Mergui. . . .	17.	5·6.	5·5.
Amherst . . .	18.	39·28.	38·51.
Bassein . . .	7, 8, 18 and 19.	87·4, +1·0, 19·27 and —3·75.	87·7, +1·3, 19·26 and —3·76.
Diamond Island . .	5 and 17.	82·4 and 8·0.	82·1 and 8·1.
Goa	19 and 21.	*Insert* —5·27 and +1·9.	
Kyaukpyu . . .	8, 12 and 19.	—0·2, +0·7 and +1·95.	—0·1, +0·5 and —0·35.
Akyab . . .	18 and 19.	33·40 and —13·54.	33·42 and —13·52.
Yamethin . . .	18 and 19.	3·88 and —1·23.	3·89 and —1·22.
Maymyo . . .	1, 18 and 19.	29·351, 2·72 and —2·85.	29·361, 2·76 and —2·81.
Srimangal . . .	2.	—·014.	—·015.
Cox's Bazar . . .	2, 8, 12, 16, 17, 18, 19, 20 and 21.	—·014, +0·4, +2·0, —4, 8·7, 36·75, +5·02, 17 and —3·1.	—·009, +0·3, +1·5, —3, 8·8, 36·57, +6·43, 16 and —4·1.
Chittagong . . .	4, 13, 18 and 19.	+1·0 (*c*), 74, 24·24 and +3·45.	10·5 (*c*), 73, 24·25 and +3·46.
		Omit 11 and 29 in figure column 14.	
Narayanganj . .	6, 15 and 16.	80·2, 85 and —3.	79·8, 83 and —5.
Barisal . . .	6.	80·0.	80·2.
Khulna . . .	2, 8, 12, 16, 19 and 21.	*Insert* —·040, +1·3, +2·1, +1, —4·54 and —1·0.	
Jessore . . .	4, 5, 18 and 19.	5·6, 84·2, 9·69 and —2·98.	5·4, 84·1, 8·89 and —3·78.
Satkhira . . .	2, 8, 12, 16, 19 and 21.	*Insert* —·055, +0·6, +2·0, +1, +5·23 and —2·8.	
Calcutta . . .	14.	*Insert* 29.	
Saugor Island . .	18 and 19.	5·56 and —5·98.	5·57 and —5·97.
Sandheads . . .	2, 17, 19 and 21.	—·056, 7·4, 3·89 and —2·7.	—·039, 7·3, —2·92 and —1·4.
Midnapore . . .	1, 2, 3, 4, 5, 6, 17, 18, 19, 20 and 21.	29·371, —·022, S 18 E, 4·3, 85·2, 80·7, 7·0, 4·19, —6·31, 6 and —7·0.	29·372, —·021, S 15 E, 4·2, 85·4, 80·6, 7·1, 3·99, —7·21, 5 and —8·0.
Burdwan . . .	6, 15 and 16.	80·4, 85 and +1.	80·7, 87 and +3.
Krishnagar . . .	1.	29·480.	29·479.
Krishnagar . . .	2, 8, 12 and 16.	*Insert* —·026, +0·3, +0·5 and 0.	
Asansol . . .	8, 12, 15, 16, 18, 19 and 21.	+1·8, +1·3, 74, —3, 8·40, —6·53 and —7·5.	+0·2, +1·4, 74, —4, 3·50, —5·44 and —6·9.
Asansol . . .	2.	*Insert* —·027.	
Malda	2.	*Insert* —·012.	
Chandbali . . .	1.	29·533.	29·513.
Chaibasa . . .	8, 12 and 16.	+6·4, +3·3 and —16.	+3·7, +2·1 and —12.

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Reference.	Figure Column.	For	Read
Darbhanga . . .	4, 6, 15, 16, 17, 18 and 19.	13·1, 76·5, 70, —13, 8·4, 7·75 and —0·28.	5·4, 79·3, 79, —4, 8·6, 8·32 and +0·29.
Darbhanga . . .	7, 8, 9, 10, 11, 12, 13 and 14.	*Omit* the figures; *Omit* the footnote (*r*) mean of 13 days.	
Kalimpong . . .	2, 8, 12, 16, 19 and 21.	*Insert* —·019, —0·5, +0·5, +2, —1·57 and +4·1.	
Haka	18.	22·98.	22·78.
Cawnpore . . .	4.	3·4.	3·1.
Bahraich . . .	6.	78·6.	78·5.
Fatehpur . . .	*Insert* "(*b*)" against the station.		
Jhansi . . .	18 and 19.	2·03 and —2·27.	2·06 and —2·24.
Roorkee . . .	5, 11, 12, 15 and 16.	91·4, 83·2, +4·4, 42 and —18.	91·7, 83·4, +4·6, 41 and —19.
Dehra Dun . . .	17.	3·4.	2·4.
Ambala . . .	4 and 17.	5·2 and 1·2.	5·0 and 1·3.
Ludhiana . . .	11, 12 and 17.	83·5, +2·3 and 2·0.	83·4, +2·2 and 2·3.
Lahore . . .	8, 12 and 16.	+1·9, +1·9 and —12.	+2·8, +3·7 and —8.
Khushab . . .	6, 15, 16, 18, 19 and 22.	78·1, 43, +1, 0·32, —1·05 and 0·32.	76·3, 38, —4, 0·35, —1·02 and 0·35.
Montgomery. . .	1, 2, 6, 15 and 16.	28·88 (*b*), —·021, 77·2, 51 and +10.	28·882, —·026, 77·1, 50 and +
Sonamarg . . .	18, 19 and 22.	5·10, +2·46 and 2·00.	5·19, +2·55 and 2·09.
Skardu . . .	18 and 19.	0·51 and +0·24.	0·53 and +0·26.
Dera Ismail Khan .	18 and 19.	0·62 and —0·05.	0·64 and —0·03.
Fort Sandeman . .	7, 8, 18 and 19.	99·2 (*d*), —0·8, 0·19 and —0·62.	97·8, —2·2, 0·23 and —0·58.
Dalbandin . . .	1, 2, 6, 11 and 12.	26·820, —·005, 64·2, 72·7 and —0·2.	26·819, —·006, 64·0, 72·4 and —0·5.
		Omit "(*b*)" against the station.	
Jacobabad . . .	11 and 12.	84·9 and +0·2.	84·7 and 0.
Badin	6, 11, 13, 14 and 15.	80·1, 78·1, 66, 3 and 72.	78·6 (*g*), 80·0 (*i*), 72, 14 and 67 (*g*).
Barmer . . .	5.	90·4.	90·3.
Jaipur . . .	17.	0·8.	0·5.
Ajmer	7 and 8.	105·3 and +4·7.	100·5 and —0·1.
Guna	18 and 20.	1·50 and 2.	1·67 and 3.
Indore . . .	3.	N 86 W.	N 84 W.
Bhopal . . .	11 and 13.	78·5 and 71.	79·5 and 72.
Page 46 . . .	*Insert* the footnotes "(*g*) mean of 24 days" and "(*i*) mean of 22 days".		
Akola	7, 8, 18 and 19.	99·3, +0·5, 3·66 and —1·72.	99·6, +0·8, 2·76 and —2·62.
Khandwa . . .	1, 2, 18, 19, 20 and 21.	28·594, +·026, 3·81, —1·61, 3 and —4·0.	28·595, +·027, 3·91, —1·51, 4 and —3·0.

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Reference.	Figure Column.	For	Read
Saugor . . .	4.	7·5.	7·0.
Kanker . . .	18.	4·51.	4·56.
Chanda . . .	17.	2·7.	2·8.
Jagdalpur . . .	3, 4, 7, 8 and 17.	S 49 W, 6·2, 95·2, +4·9 and 4·5.	S 45 W, 3·7, 95·5, +5·2 and 4·6.
Ratnagiri . . .	1 and 2.	29·539 and +·037.	29·540 and +·038.
Sholapur . . .	4, 7 and 8.	5·9, 95·7 and +2·1.	5·8, 96·0 and +2·4.
Belgaum . . .	17.	7·0.	7·1.
Hyderabad . . .	7, 8, 18, 19, 20 and 21.	95·6, +1·1, 2·02, —2·57, 3 and —3·6.	96·4, +1·9, 2·19, —2·40, 4 and —2·6.
Chitaldrug . . .	3.	S 70 W.	S 69 W.
Bangalore . . .	3, 18, 19, 20 and 21.	N 87 W, 2·41, —0·48, 5 and —0·8.	N 89 W, 2·72, —0·17, 6 and +0·2.
Hambantota . .	3, 4, 18, 19, 20 and 21.	S 89 W, 15·6, 0·84, —1·32, 2 and —3·9.	W, 15·9, 1·07, —1·09, 3 and —2·9; *Omit* "(*b*)" against the station.
Nuwara Eliya . .	1, 5, 11, 17 and 18.	24·030, 58·7, 66·9, 54·6, 7·2 and 6·63.	24·031, 58·7 (*b*), 66·8, 54·6 (*b*), 7·3 and 6·65; *Omit* "(*b*)" against the station.
Trichinopoly . .	3.	S 67 W.	S 69 W.
Coimbatore . . .	17.	6·6.	6·8.
Salem	18 and 19.	4·49 and +1·47.	4·44 and +1·42.
Cuddalore . . .	17.	5·1.	5·0.
Vellore . . .	7 and 8.	96·1 and —1·4.	95·1 and —2·4.
Anantapur . . .	18, 19, 20, 21, 22 and 23.	1·23, —0·78, 3, —0·5, 0·55 and 7.	4·54, +2·53, 5, +1·5, 2·81 and 4.
Nellore . . .	1 and 2.	29·608 (*b*) and +·010.	29·606 and +·008.
Masulipatam . .	18 and 19.	3·26 and —1·25.	3·23 and —1·28.
Cocanada . . .	18 and 19.	3·28 and —1·53.	3·31 and —1·50.
Gopalpur . . .	17, 18, 19, 20, 21, 22 and 23.	7·2, 0·27, —5·55, 1, —6·9, 0·12 and 22.	7·1, 1·02, —4·80, 3, —4·9, 0·64 and 30.
Simla	17, 18 and 19.	2·7, 4·78 and —2·35.	2·6, 4·79 and —2·34.
Cherat . . .	1 and 2.	25·477 and 0.	25·475 and —·002.
Mount Abu . . .	1 and 2.	25·821 and +·009.	25·824 and +·012.
Kodaikanal . . .	18, 19, 20, 21, 22 and 23.	1·06, —3·00, 3, —6·9, 0·55 and 29.	0·56, —3·50, 2, —7·9, 0·14 and 27.
Coonoor . . .	17.	6·0.	5·9.

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Reference.	Figure Column.	For	Read
Victoria Point . .	2, 8, 12, 19 and 21.	—·010, —1·2, +0·2, +2·61, +5·5.	—·002, —1·1, 0, +2·59 and +4·8.
Rangoon . . .	3 and 17.	S 5 W and 9·5.	S 2 W and 9·7.
Toungoo . . .	18 and 19.	20·04 and +2·40.	20·08 and +2·44.
Kyaukpyu . . .	8, 12, 16, 19 and 21.	—1·5, —0·1, +2, +10·50 and +2·4.	—1·3, —0·2, +1, +7·10 and +1·7.
Yamethin . . .	8 and 12.	—5·7 and +2·5.	+0·5 and —0·1.
Mandalay . . .	4, 18, 19, 20 and 21.	6·7, 6·70, +3·41, 8 and +2·3.	6·2, 6·80, +3·51, 9 and +3·3.
Monywa . . .	8 and 12.	—4·9 and +2·8.	+0·9 and —0·4.
Lashio . . .	8 and 12.	—6·8 and +2·7.	—1·2 and —0·4.
Myitkyina . . .	8, 12, 18 and 19.	—7·4, +3·0, 16·14, —3·03.	+0·2, +0·1, 16·49 and —2·68.
Dibrugarh . . .	1, 2, 7, 8, 11, 12, 18, 19, 20 and 21.	29·219, —·033, 89·8, +3·1, 75·6, +0·2, 17·93, —3·80, 15 and —7·1.	29·215, —·037, 89·5, +2·8, 75·2, —0·2, 18·23, —3·56, 16 and —6·1; *Omit* "(*a*)" against the station.
Silchar. . . .	14.	2.	5.
Srimangal . . .	2.	—·047.	—·042.
Cox's Bazar . . .	2, 8, 12, 18, 19 and 21.	—·044, —1·0, +1·9, 38·77, +3·88 and +1·9.	—·042, —0·8, +1·8, 38·97, +3·03 and +1·5.
Khulna . . .	2, 8, 12, 16, 19 and 21.	*Insert* —·063, —1·3, +0·1, +1, +3·02 and +2·2.	
Satkhira . . .	2, 8, 12, 16, 19 and 21.	*Insert* —·075, —0·7, +0·3, +1, —0·01 and —3·0.	
Saugor Island . .	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 17, 18, 19 and 20.	29·446, —·072, S 18 E, 14·4(*c*), 82·3, 79·2, 86·1, —1·7, 79·3, —1·0, 9·5, 18·90, +4·25 and 22.	29·449, —·069, S 15 E (*a*) 13·7 (*b*), 82·4, 79·4, 86·2, —1·6, 79·4, —0·9, 9·5 (*a*), 18·91, +4·26 (*a*) and 22 (*a*) and *omit* "(*b*)" against the station.
Sandheads . . .	2, 18, 19 and 21.	—·103, 9·90, +2·13 and +3·6.	—·082, 10·01, +0·09 and +1·9.
Krishnagar . . .	2, 8, 12 and 16.	*Insert* —·056, —0·2, —0·7 and —1.	
Krishnagar . . .	18.	5·42.	5·48.
Asansol . . .	2, 8, 12, 16, 19 and 21.	*Insert* —·052, —0·6, —0·3, —2, +1·42 and +1·1.	
Berhampore . .	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 17, 18, 19, 20 and 21.	29·410, —·060, S 69 E, 4·2, 79·0, 77·6, 87·5, —2·1, 75·0, —3·3, 8·7, 9·25, —1·60, 21 and +5·1.	29·428, —·042, S 70 E, 4·1, 82·5, 80·2, 90·4, +0·8, 78·1, —0·8, 9·1, 9·71, —1·14, 2·2 and +6·1; *Omit* "(*a*)" against the station.
Malda	2, 8, 10, 12, and 16.	*Insert* —·027, —1·2, 18, —0·4 and —3.	
Balasore . . .	13 and 14.	76 and 12.	75 and 30.
Angul	18, 19 and 22.	28·87, +17·88 and 9·69.	21·74, +10·75 and 9·60.
Chaibasa . . .	8 and 16.	—1·7 and +3.	—1·1 and +1.
Darbhanga . . .	1, 2, 4, 5, 6, 15, 16 and 17.	29·304, —·060, 12·2, 84·5, 82·6 (*a*), 91, + 4 and 6·5.	29·305, —·056, 5·2, 84·6, 79·7, 79, —8 and 6·9.

JULY 1932—*contd.*

Reference.	Figure Column.	For	Read
Naya Dumka . .	17.	4·4.	7·6.
Maymyo . . .	8 and 12.	—7·7 and +8·2.	+0·9 and +1·2.
Haka	4.	5·3.	5·0.
Kalimpong . . .	2, 8, 12, 16, 19 and 21.	*Insert* —·023, +0·8, —0·2, —2, —7·20 and —7·3.	
Gorakhpur . . .	4.	3·1 (*d*).	3·4 (*h*).
Benares . . .	18 and 19.	7·10 and —4·44.	7·29 and —4·25.
Mainpuri . . .	18, 19, 22 and 23.	6·26, —1·04, 2·30 and 20.	4·26, —3·04, 2·07 and 28.
Aligarh . . .	1, 5, 18 and 20.	28·878, 86·9, 9·35 and 11.	28·874, 87·2, 9·92 and 12.
Roorkee . . .	18, 19, 20 and 21.	13·33, +1·33, 14 and +2·1.	13·89, +1·89, 15 and +3·1.
Lahore . . .	8, 12 and 16.	—2·1, +0·8 and +2.	—1·4, +1·8 and +4.
Page 53 . . .	footnote.	(*d*) mean of 27 days.	(*l*) mean of 23 days.
Khanpur . . .	1, 3, 6, 7 and 11.	29·136, S 55 W, 80·2, 104·3 and 82·6.	29·135, S 54 W, 80·3, 104·2 and 82·7.
Sonamarg . . .	18, 19, 20, 21, 22 and 23.	3·70, +·003, 8, —1·1, 1·00 and 17.	2·79, —0·88, 7, —2·1, 0·62 and 19.
Dras	1, 2, 3, 4, 6, 11 and 12.	20·687, +·010, S 66 W, 5·7 (*b*), 55·1, 52·3 and +4·1.	20·686, +·009, S 59 W, 5·8 (*a*), 55·2, 52·4 and +4·2 and *omit* "(*a*)" against the station.
Miranshah . . .	18 and 20.	2·48 and 6.	2·03 and 5.
Dera Ismail Khan .	11 and 12.	8·12 and —1·5.	81·5 and —1·2.
Fort Sandeman . .	11, 12, 18 and 19.	2·72 and +0·66.	2·73 and +0·67 and *omit* the figures in columns 11 and 12.
Las Bela . . .	1.	29·191.	29·187.
Sukkur . . .	1, 5, 6, 11 and 15.	29·209, 86·4, 80·7, 84·6 (*k*) and 78.	29·235 (*e*), 86·8 (*e*), 80·3 (*e*), 84·8 (*h*) and 74 (*e*).
Chhor	18 and 20.	4·20 and 8.	4·50 and 9.
Hyderabad (Sind) .	11.	82·1 (*a*).	82·1.
Karachi . . .	4.	10·5.	11·0.
Bikaner . . .	7, 8, 9 and 10.	99·6, —1·8, 108 and 5, 6, 7	99·9, —1·5, 109 and 6, 7.
Surat	18 and 19.	32·79 and +16·09.	32·87 and 16·17.
Page 54 . . .	*Omit* the footnotes "(*b*) mean of 29 days" and "(*k*) mean of 20 days" and *insert* "(*e*) mean of 26 days".		
Bhopal . . .	11.	73·5 (*a*).	74·3 (*a*).
Umaria . . .	1.	28·987.	27·987.
Dohad . . .	1.	28·537.	28·536.
Guna	18.	14·76.	14·83.
Hoshangabad . .	17.	8·5.	7·2.
Saugor. . . .	4.	5·6.	5·5.

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Reference.	Figure Column.	For	Read
Seoni	1 and 2.	27·499 and —·057.	27·500 and —·056.
Pendra . . .	18 and 19.	31·81 and 18·83.	32·75 and +19·77.
Raipur . . .	1, 2, 18, 19, 20 and 21.	28·519, —·069, 16·57, +2·13, 22 and +6·6.	28·518, —·070, 17·55, +3·11, 23 and +7·6.
Jagdalpur . . .	4, 18, 19, 20 and 21.	9·4 (*b*), 20·44, +6·89, 25 and +7·6.	4·9 (*c*), 20·94, +7·39, 26 and +8·6.
Ratnagiri . . .	1 and 2.	29·466 and —·039.	29·464 and —·041.
Ahmednagar . .	1 and 2.	27·478 and —·048.	27·477 and —·049.
Bijapur . . .	4, 11 and 12.	8·2, 71·9 (*h*) and +1·1.	8·3, 72·0 (*j*) and +1·2.
Nizamabad . . .	6.	72·8.	73·0.
Hyderabad (Dn.) . .	7 and 8.	85·8 and —1·8.	86·3 and —1·3.
Bangalore . . .	18 and 19.	4·18 and 0.	4·17 and —0·01.
Page 55 . . .	*Omit* the footnote "(*h*) mean of 23 days" and *insert* "(*j*) mean of 21 days" and "(*c*) mean of 28 days".		
Vellore . . .	*Omit* the figures in columns 7 and 8.		
Cuddapah . . .	17.	7·6.	7·5.
Anantapur . . .	18, 19, 20 and 21.	0·85, —2·53, 2 and —2·3.	0·96, —2·42, 3 and —1·3.
Calingapatam . .	18 and 19.	5·32 and —·053.	5·44 and —0·41.
Gopalpur . . .	18, 19, 20 and 21.	4·86, —2·02, 9 and —0·6.	6·47, —0·41, 10 and +0·4.
Simla	4.	2·1.	2·0.
Dalhousie . . .	18.	25·01.	26·61.
Murree . . .	1, 3, 6, 11, 12, 17, 18, 19, 20 and 21.	23·072, S 28 E, 63·1, 62·5, +0·1, 6·8, 13·85, +2·01, 13 and +0·5.	23·068, S 23 E, 63·2, 62·6, +0·2, 6·9, 16·17, +4·33, 14 and +1·5; *Omit* "(*a*)" against the station.
Cherat . . .	1, 2, 7 and 8.	25·443 (*a*), —·012, 88·0 and —1·4.	25·447, —·008, 87·8, and —1·6.
Parachinar . . .	18 and 19.	7·95 and +4·57.	7·94, and +4·56.
Aden	5, 6, 15 and 16.	84·2, 78·1, 75 and +3.	84·1, 77·8, 74 and +2.
Page 56 . . .	*Omit* the footnote "(*c*) mean of 28 days".		

AUGUST 1932.

Reference.	Figure Column.	For	Read
Victoria Point . .	2 and 3.	+·014 and S 63 E.	+·024 and S 61 E.
Bassein . . .	14.	6 and 7.	5 days.
Diamond Island . .	18 and 19.	14·67 and —8·24.	14·68 and —8·23.
Kyaukpyu . . .	19.	—4·16.	—4·08.
Myitkyina . . .	1 and 2.	29·211 and +·022.	29·210 and +·021.
Srimangal . . .	18 and 19.	9·37 and —3·87.	9·34 and —3·90.
Satkhira . . .	4.	3·3.	3·4.
Krishnagar . . .	2, 8, 12 and 16.	*Insert* +·017, +0·5, —0·9 and —2	
Malda	2, 8, 12 and 16.	*Insert* +·040, +0·8, —0·6 and 0	
Chaibasa . . .	8.	+0·6.	+0·8.
Hazaribagh . . .	2, 8, 12 and 16.	*Insert* +·104, +1·7, +0·3 and —5	
Darbhanga . . .	4, 5, 6, 17, 18 and 19.	7·9, 83·8, 80·4, 7·8, 6·98 and —6·98.	3·7, 83·9, 8·02, 7·7, 8·42 and —5·54.
Cherrapunjee . .	19.	+32·06.	+42·06.
Mainpuri . . .	18 and 19.	10·43 and +1·74.	10·21 and +1·52.
Aligarh . . .	1, 18 and 20.	29·000, 7·79 and 11.	28·993, 7·89 and 12.
Bareilly . . .	7 and 8.	91·7 and +1·5.	91·8 and +1·6.
Dehra Dun . . .	1, 2, 7, 8, 11, 12, 17, 18, 19, 20 and 21.	27·396, +·019, 85·2, +1·4, 72·4, —0·6, 7·3, 36·95, +8·17, 20 and —1·3.	27·399, +·022, 85·1, +1·3, 72·3, —0·7, 7·2, 37·87, +9·09, 21 and —0·3; *Omit* '*a*' against the station.
Ludhiana . . .	18 and 19.	5·72 and —1·22.	5·73 and —1·21.
Lahore . . .	8, 12 and 16.	—1·7, —0·6 and —1.	—1·3, +0·3 and +2.
Sialkot . . .	5, 6, 11, 12 and 17.	81·9, 78·4, 77·4, —0·9 and 3·9.	82·0, 78·5, 77·5, —0·8 and 3·8; *Omit* '*a*' against the station.
P. 61	*Omit* "(*a*) mean of 30 days" in the footnote.		
Khushab . . .	11 and 12.	80·6 and —0·8.	80·9 and —0·5.
Multan . . .	18 and 19.	1·85 and —0·13.	1·87 and —0·11.
Srinagar . . .	18, 19, 20 and 21.	1·35, —0·98, 5 and —0·3.	1·56, —0·77, 6 and +0·7.
Leh	7, 8, 11 and 12.	(*a*) 73·1, —3·4, 49·7 and 0.	(*a*) 75·7, —0·8, 49·5 and —0·2.
Peshawar . . .	1, 2, 5 and 6.	28·413, +·024, 85·3 and 76·9.	28·410, +·021, 85·4 and 77·0; *Omit* '*a*' against the station.
Miranshah . . .	3, 4, 5, 7, 11 and 18.	S 59 E, 6·9, 83·4, 93·5, 76·8 and 0·78.	S 64 E, 6·7, 83·5, 93·4, 76·7 and 0·83; *Omit* '*a*' against the station.
Fort Sandeman . .	*Omit* the figures in columns 11, 12, 13 and 14.		
Kalat	1, 2, 3, 4, 5, 6, 7, 8, 11, 12 and 17.	23·609, +·032, S 9 W, 5·1, 61·7, 56·0, 86·4, —4·4, 56·1, +3·9 and 1·2.	23·608, +·031, S 8 W, 5·0, 61·8, 56·2, 86·1, —4·7, 56·2, +4·0 and 1·4; *Omit* '*a*' against the station.

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Reference.	Figure Column.	For	Read
Las Bela . . .	1.	29·331.	29·335.
Jacobabad . . .	4.	2·8.	3·2.
Sukkur . . .	5, 6 and 15.	83·2, 77·1 and 75.	82·9(*n*), 74·0(*n*), 64(*o*) and *insert* 29·305 in column 1.
Chhor . . .	1 and 3.	29·558(*a*) and S 21 W.	29·552 and S 22 W.
Hyderabad (Sind) .	4.	10·8.	11·1.
Karachi . . .	4.	9·9.	13·4.
Bikaner . . .	7 and 8.	92·5 and —5·3.	92·7 and —5·1.
Barmer . . .	18 and 20.	3·27 and 5.	3·65 and 6.
Page 62 . . .		*Insert* the footnote "(*n*) mean of 17 days."	
Deesa	1, 2, 3, 4, 5, 7, 8, 15, 16 and 17.	29·186, +·026, S 50 W, 4·1, 78·6, 87·3, —2·1, 86, +2 and 7·7.	29·189, +·029, S 53 W, 4·0, 79·0, 87·6, —1·8, 84, 0 and 7·5; *Omit* '*a*' against the Station.
Bhavnagar . . .	3, 7 and 8.	W, 91·0 and —0·3.	S 89 W, 90·9 and —0·4.
Page 62 . . .		Footnote K= mean of 20 days, O=mean of 16 days.	
Jhalrapatan . .	3.	S 73 W.	S 70 W.
Dohad . . .	3 and 7.	S 46 W and 85·9.	S 45 W and 85·8.
Guna	18.	8·49.	8·56.
Akola	1, 2, 4, 6, 7 and 11.	28·780(*a*), +043, 4·6(*a*), 74·7(*a*), 88·4 (*a*) and 74·4(*a*).	28·776, +·039, 4·7, 74·7, 88·4 and 74·[illegible].
Khandwa . . .	3.	S 66 W.	S 68 W.
Sutna	18 and 19.	8·48 and —4·30.	8·43 and —4·35.
Umaria . . .	1.	29·152.	28·152.
Nagpur . . .	18 and 19.	7·45 and —4·19.	7·49 and —4·15.
Pendra . . .	7 and 8.	83·2 and +1·4.	83·3 and +1·5.
Kanker . . .	18.	7·25.	7·27.
Jagdalpur . . .	17, 18, 19, 20 and 21.	7·0, 18·78, +2·19, 18 and —1·4.	7·1, 18·88, 2·29, 19 and —0·4.
Ratnagiri . . .	1 and 2.	29·560 and +·002.	29·555 and —·003.
Malegaon . . .	11 and 12.	71·4 and —0·5.	71·3 and —0·6.
Ahmednagar . .	3.	N 83 W.	N 85 W.
Bijapur . . .	18 and 19.	6·51 and +4·09.	7·41 and +4·99.
Nizamabad . . .	17.	4·3.	4·5.
Gulbarga . . .	3.	S 83 W.	S 81 W.
Raichur . . .	18, 19, 20, 21, 22 and 23.	12·36, +7·04, 4·00, 30, 11 and +2·4.	7·39, +2·07, 3·20, 28, 9 and +0·4.
Hyderabad (Dn.) . .	6, 7 and 8.	72·9, 88·5 and +2·7.	72·8, 89·0 and +3·2.

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Reference.	Figure Column.	For	Read
Bangalore . . .	5.	72·0.	72·2.
Cochin . . .	18 and 19.	14·93 and +2·04.	14·94 and +2·05.
Madura . . .	1 and 2.	29·294 and —·016.	29·295 and —·015.
Nagapatam . . .	17.	7·0.	7·1.
Vellore . . .	7 and 8.	92·7 and —0·6.	92·6(*d*) and —0·7.
Madras . . .	18 and 19.	1·98 and —2·66.	1·99 and —2·65.
Anantapur . . .	18 and 19.	8·65 and +6·50.	8·64 and +6·49.
Bellary . . .	5, 15, 16, 18, 19, 20 and 21.	78·0, 76, +9, 6·76, +4·44, 8 and +3·9.	78·2, 74, +7, 6·90, +4·58, 9 and +4·9.
Cocanada . . .	18, 19, 20 and 21.	5·28, —0·21, 7 and —2·6.	4·78, —0·71, 6 and —3·6.
Vizagapatam . .	7 and 8.	87·9 and – 0·9.	87·8 and —1·0.
Gopalpur . . .	18, 19, 20 and 21.	4·84, —2·91, 6 and —5·1.	5·20, —2·55, 8 and —3·1.
Mukteswar . . .	18, 19, 20 and 21.	9·71, —2·14, 15 and —2·0.	10·61, —1·24, 16 and —1·0.
Mussooree . . .	1 and 2.	23·260 and +·058.	23·261 and +·059.
Dalhousie . . .	18.	19·38.	19·41.
Pachmarhi . . .	1 and 2.	26·280 and +·065.	26·281 and +·066.
Mercara . . .	18 and 19.	18·59 and —6·86.	18·69 and —6·76.
Coonoor . . .	18.	12·00.	11·99.

SEPTEMBER 1932.

Reference.	Figure Column.	For	Read
Port Blair . . .	14.	*Insert* 24.	
Victoria Point . .	2.	—·004.	+·009.
Amherst . . .	14.	20.	22.
Bassein . . .	18, 19, 22 and 23.	14·02, —1·18, 1·04 and 8.	14·03, —1·17, 1·73 and 21.
Gwa	18 and 22.	26·07 and 5·57.	26·25 and 5·75.
Gwa	19 and 21.	*Insert* +7·79 and +4·0.	
Toungoo . . .	4.	4·0 (*g*).	3·0(*g*); (*g*) mean of 24 days.
Yamethin . . .	15.	84.	84(*c*); (*c*) mean of 28 days.
Myitkyina . . .	1.	29·753.	29·253.
Noakhali . . .	18 *Insert* "*" against the total Rainfall and "* total of 28 days" in the footnote.		
Calcutta . . .	8.	—1·0.	+1·0.
Krishnagar . . .	2, 8, 12 and 16.	*Insert* —·053, +1·6, 0 and +2.	
Malda	2, 8, 12 and 16.	*Insert* —·027, +1·1, +0·8 and —1.	
Chaibasa . . .	14.	4 days.	6 days.
Hazaribagh . . .	2, 8, 12 and 16.	*Insert* —·035, +0·6, +0·4 and +1.	
Darbhanga . . .	4, 5, 6, 11, 12, 17, 18 and 19.	7·7, 82·4, 79·6, 77·8, —0·6, 7·2, 10·44 and +1·48.	3·8, 82·5, 79·4, 77·7, —0·7, 7·3, 10·64 and +1·68.
Motihari . . .	2.	—·059.	—·063.
Naya Dumka . .	10.	*Insert* 26.	
Cherrapunji . . .	19.	—3·57.	—3·87.
Gorakhpur . . .	11.	78·7.	78·2.
Cawnpore . . .	7 and 8.	92·5 and +0·4.	92·8 and +0·7.
Gonda . . .	1.	29·285.	29·275.
Jhansi . . .	18 and 19.	16·88 and +10·96.	17·21 and +11·29.
Mainpuri . . .	18 and 19.	14·64 and +10·23.	15·38 and +10·97.
Aligarh . . .	1.	29·023.	29·109.
Ambala . . .	5, 6, 7, 8, 11, 12, 18 and 19.	79·0, 75·1, 91·1, —2·4, 74·4, +0·7, 23·90 and +19·30.	79·1, 75·0, 90·7, —2·8, 74·5, +0·8, 24·90 and +20·30.
Lahore . . .	8, 12 and 16.	+2·3, +1·1 and —6.	+2·7, +2·2 and —1.
Montgomery . . .	1, 2, 18 and 19.	29·049(*b*), —·059, 0 and —1·53.	29·045, —·063, 0·01 and —1·52.
Multan . . .	1 and 2.	29·161 and —·065.	29·163 and —·063.
Bahawalpur . .	1 and 3.	29·221 and S 42 W.	29·220 and S 43 W.
Khanpur . . .	1, 5, 6, 7, 10, 15 and 17.	29·331, 84·0, 74·3, 104·2, "6, 7, 14" 62 and 0·2.	29·330, 83·8, 74·2, 104·1, "4, 6, 7," 64 and 0·4.

SEPTEMBER 1932—*contd.*

Reference.	Figure Column.	For	Read
Srinagar . . .	1, 2, 3, 5, 6, 7, 8, 11, 12, 13, 14, 15 and 16.	24·768, —·043, S 51 E, 62·1, 57·6, 88·8, +5·5, 52·3, —1·4, 46, "24, 26," 76 and —14.	24·773, —·038, S 59 E, 61·7, 57·2, 88·3, +5·0, 51·8, —1·9, 45, "23," 77 and —13; *Omit* (*c*) gainst the station.
Gulmarg . . .	17.	1·6.	1·3.
Peshawar . . .	1, 2, 5, 7 and 8.	28·467, —·072, 81·8, 98·6 and +3·8.	28·470, —·069, 81·7, 98·4 and +3·6; *Omit* (*b*) against the station.
Miranshah . . .	18 and 20.	0·32 and 2.	0·42 and 3.
Jacobabad . . .	4.	1·7.	1·3.
Sukkur . . .	1 and 4.	29·380 and 3·9.	29·385 and 4·2.
Hyderabad (Sind) .	4.	10·1.	10·5.
Bikaner . . .	4.	4·7 (*k*).	4·3 (*k*).
Page 70 . . .		*Insert* the footnote "(*k*) mean of 20 days."	
Quetta . . .	4.	3·1 (*b*).	3·0.
Las Bela . . .	1.	29·398.	29·403.
Kotah . . .	18, 19, 20 and 21.	3·15, —1·26, 4 and —1·5.	3·46, —0·95, 5 and —0·5.
Jhalrapatan . .	7.	91·6.	91·5.
Dwarka . . .	3.	S 88 W.	S 87 W.
Surat	1, 2, 3, 5, 6 and 17.	29·697, —·047, S 57 W, 80·2, 76·9 and 6·9.	29·696, —·048, S 60 W, 80·3, 76·8 and 6·8; *Omit* (*b*) against the station.
Dohad . . .	18 and 20.	5·98 and 5.	6·63 and 6.
Guna	7.	87·5.	87·7.
Umaria . . .	1.	29·136.	28·136.
Indore . . .	18 and 19.	15·14 and +8·61.	14·14 and +7·61.
Amraoti . . .	18 and 19.	3·28 and —2·93.	3·29 and —2·92.
Pendra . . .	17, 18, 19 and 22.	6·6, 7·96, +1·80 and 2·17.	6·5, 7·97, +1·81 and 2·18.
Kanker . . .	18 and 20.	8·96 and 14.	9·63 and 15.
Chanda . . .	18 and 19.	10·15 and +0·97.	10·05 and +0·87.
Jagdalpur . . .	18, 19, 20 and 21.	10·68, —0·26, 18 and +4·2.	10·93, —0·01, 19 and +5·2.
Ratnagiri . . .	18 and 19.	20·01 and +7·93.	20·03 and +7·95.
Marmagao . . .	3 and 17.	S 8 W and 8·0.	S 1 E and 8·1.
Malegaon . . .	18 and 19.	4·43 and —1·46.	4·47 and —1·42.
Belgaum . . .	6.	67·8.	68·1.
Aurangabad . .	5.	75·4.	75·2.
Nizamabad . . .	1 and 2.	28·461 and —·031.	28·467 and —·025.

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Reference.	Figure Column.	For	Read
Raichur . . .	3.	S 74 W.	S 71 W.
Hyderabad (Dn.) . .	7, 8, 18, 19, 20 and 21.	86·5, +0·1, 6·37, —0·67, 12 and +2·7.	87·0, +0·6, 6·48, —0·56, 13 and +3·7.
Bangalore . . .	18 and 19.	4·34 and —2·64.	4·39 and —2·59.
Calicut . . .	18 and 19.	14·60 and +6·87.	14·59 and +6·86.
Pamban . . .	5.	83·7.	83·5.
Vellore . . .	3, 4, 5, 6, 7, 8, 11, 12 and 17.	S 84 W, 5·1, 81·0, 73·5, 92·8, +0·8, 76·2, +0·9 and 5·3.	S 87 W, 4·7, 80·9, 73·3, 92·9, +0·9, 76·1, +0·8 and 5·4.
Cuddapah . . .	18, 19, 20 and 21.	2·81, —3·46, 5 and —3·7.	2·93, —3·34, 6 and —2·7.
Anantapur . . .	18 and 19.	3·93 and —3·35.	4·01 and —3·27.
Vizagapatam . .	4.	4·7.	4·8(*b*).
Calingapatam . .	18 and 19.	4·06 and —3·32.	4·11 and —3·27.
Gopalpur . . .	7 and 8.	88·7 and +0·3.	89·0 and +0·6.
Mukteswar . . .	21.	—4·6.	+4·6.

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Reference.	Figure Column.	For	Read
Victoria Point . .	2, 8, 12, 19 and 21.	—·006, —0·7, +1·0, —0·32 and +0·5	+·001, —0·3, +0·8, —0·13 and +1·1.
Kyaukpyu . . .	8, 12, 19 and 21.	+1·3, +2·0, 0 and —2·8.	+1·2, +1·9, —0·2, 4 and —1·4.
Monywa . . .	1.	*Insert* (*a*) against 29·589.	
Cox's Bazar . . .	10.	*Insert* 10.	
Comilla . . .	2, 8, 12 and 16.	*Insert* —·014, +2·9, +1·5 and —5.	
Mymensingh. . .	18, 19, 20 and 21.	7·03, +1·29, 7 and +1·3.	8·63, +2·83, 8 and +2·3.
Faridpur . . .	2, 8, 12 and 16.	*Insert* —·006, +4·3, +1·5 and —1.	
Krishnagar . . .	2, 8, 12 and 16.	*Insert* —·014, +3·6, —0·1 and —5.	
Bankura . . .	18 and 19.	3·47 and +0·56.	3·54 and +0·63.
Malda	2, 8, 12 and 16.	*Insert* —·002, +2·0, +0·4 and —4.	
Jalpaiguri . . .	10.	*Insert* 1.	
Balasore . . .	3.	N 30 W.	N 39 W.
Chaibasa . . .	8 and 12.	+1·3 and +0·2.	+1·6 and +0·5.
Ranchi . . .	18 and 19.	2·41 and —0·70.	2·38 and —0·46.
Hazaribagh . . .	1.	27·848(*a*).	27·845(*a*).
Hazaribagh . . .	2, 8, 12 and 16.	*Insert* —·001, +1·4, —1·3 and —1.	
Darbhanga . . .	4, 6, 15, 16 and 17.	2·8, 74·7, 82, —1 and 2·8.	2·0, 74·6, 80, —3 and 2·7.
Sabour . . .	19 and 21.	+0·25 and +0·9.	+0·48 and +0·4.
Haka	18.	4·05.	4·08.
Kanpetlet . . .	7.	68·0.	68·6.
Mainpuri . . .	11.	64·1(*a*).	64·1.
Aligarh . . .	1 and 4.	29·225 and 36.	29·229 and 26.
Ambala . . .	17.	1·5.	1·4.
Lahore . . .	8, 12 and 16.	—0·3, +0·3 and —6.	—0·4, +1·9 and +4.
Sialkot . . .	1, 2, 4, 6, 7, 8, 11, 12, 15 and 16.	29·015(*a*), —·005, 1·7(*a*), 61·1(*a*), 93·0(*a*), +1·1, 61·2(*a*), —0·9, 51 and —11.	29·017, —·003, 1·8, 61·3, 92·9, +1·0, 61·4, —0·7, 53 and —9.
Khushab . . .	1 and 2.	29·226 and —·020.	29·227 and —·019.
Montgomery. . .	1, 2, 4, 11 and 12.	29·269, —·020, 2·3, 62·5 and —0·9.	29·268, —·021, 2·1, 62·3 and —1·1.
Dras	7, 8, 11 and 12.	52·3(*a*), —4·1, 30·2(*a*) and +2·8.	52·2, —4·2, 29·9 and +2·5.
Las Bela . . .	4.	2·8.	2·2.
Jacobabad . . .	4.	1·6(*a*).	1·2.
Sukkur . . .	1, 11 and 14.	29·630, 67·1 and 30.	29·627, 66·7 and 30, 31.
Chhor	4.	3·4.	2·8.
Karachi . . .	4.	6·8.	6·5.

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Reference.	Figure Column.	For	Read
Bikaner . . .	4.	4·2.	4·5.
Jodhpur . . .	4.	3·3.	2·7.
Barmer . . .	4.	3·4.	3·1.
Jhalrapatan . .	1.	28·817.	28·816.
Bhuj	18, 19, 20, 21 and 23.	0·16, —0·28, 1, +0·6 and 29.	0·32, —0·12, 2, +1·6, 22 and 29.
Umaria . . .	1.	29·361.	28·361.
Hoshangabad . .	1 and 2.	28·879 and —·008.	28·881 and —·006.
Seoni	7, 11 and 12.	87·5(*a*), 66·4(*a*) and +2·2.	87·5, 66·5 and +2·3.
Nagpur . . .	4.	2·1(*b*).	2·0.
Raipur . . .	1 and 2.	28·866 and —·015.	28·865 and —·016.
Kanker . . .	7, 10 and 11.	88·2, 4 days and 67·2(*a*).	88·1, "5, 6, 7" and 67·3.
Jagdalpur . . .	6.	70·7.	70·9.
Marmagao . . .	17.	7·3.	7·2.
Karwar . . .	18, 19, 20 and 21.	7·85, +2·22, 10 and +2·9.	8·00, +2·37, 11 and +3·9.
Poona	17.	6·9.	6·8.
Sholapur . . .	1 and 2.	28·274 and —·020.	28·280 and —·014.
Bijapur . . .	4, 18 and 19.	2·6(*b*), 7·20 and +4·13.	2·5, 7·24 and +4·17.
Belgaum . . .	18 and 19.	16·81 and +12·14.	15·81 and +11·14.
Aurangabad . .	5, 6 and 17.	77·1, 69·3 and 7·6.	76·9, 69·1 and 7·8.
Nizamabad . . .	13 and 14.	75 and 4.	64, 12 and 24.
Hyderabad (Dn.) . .	7 and 8.	88·9 and +0·5.	89·4 and +1·0.
Bangalore . . .	11 and 12.	63·7 and —1·5.	67·0 and +1·8.
Mysore . . .	11 and 12.	65·0 and —1·8.	68·2 and +1·4.
Palamcottah . .	18, 19, 20 and 21.	4·66, —2·16, 4 and —5·0.	6·72, —0·10, 5 and —4·0.
Salem	4.	2·2.	2·1(*l*).
Page 80 . . .		*Insert* the footnote "(*l*) mean of 19 days."	
Cuddapah . . .	17.	6·2.	6·4.
Anantapur . . .	18, 19, 20 and 21.	3·46, —0·25, 6 and +0·7.	4·07, +0·36, 7 and +1·7.
Mukteshwar . .	11 and 12.	51·5 and +1·9.	51·7 and +2·1.
Mussooree . . .	6.	47·3.	47·5.
Dharampur . . .	18, 19, 22 and 23.	0·11, —1·39, 0·06 and 16.	0·05, —1·45, 0·03 and 24.
Coonoor . . .	1.	22·426.	23·426.

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Reference.	Figure Column.	For	Read
Victoria Point . .	2.	+·003.	+·013.
Mergui. . . .	13 and 14.	71 and 24.	65 and 22.
Tavoy . . .	20 and 21.	6 and +5·3.	7 and +3·1.
Rangoon . . .	19 and 21.	+0·31 and +1·4.	—2·11 and —1·3.
Toungoo . . .	4.	2·2.	2·1.
Dibrugarh . . .	11.	65·2.	62·5.
Srimangal . . .	18 and 19.	3·36 and +2·45.	3·38 and +2·47.
Comilla . . .	2, 8, 12 and 16.	*Insert* —·039, —1·2, +4·2 and +1.	
Faridpur . . .	2, 8, 12 and 16.	*Insert* —·026, +2·2, +3·6 and +1.	
Krishnagar . . .	2, 8, 12 and 16.	*Insert* —·040, —0·7, +1·2 and 0.	
Malda	2, 8, 12 and 16.	*Insert* —·025, —0·2, +2·6 and +3.	
Chandbali . . .	1.	29·903.	29·902.
Chaibasa . . .	8, 12 and 16.	—1·6, +1·4 and +1.	—1·2, +1·8 and +2.
Hazaribagh . . .	1.	27·914.	27·911.
Hazaribagh . . .	2, 8, 12 and 16.	*Insert* —·032, —2·3, —1·3 and +18.	
Daltonganj . . .	18 and 19.	0·82 and +0·45.	0·91 and +0·54.
Purnea . . .	3 and 16.	N 18 W and +2.	N 14 W and —2.
Darbhanga . . .	1, 2, 4, 5, 6, 15, 16 and 17.	29·789, —·032, 2·1, 69·3, 65·8, 82, 0 and 2·6.	29·790, —·031, 1·9, 69·5, 65·7, 81, —1 and 2·8.
Motihari . . .	11 and 12.	56·2(*h*) and 0.	56·1(*h*) and —0·1.
Sabour . . .	19 and 21.	+2·48 and +3·5.	+2·49 and 3·6.
Haka	1.	24·139.	24·140.
Kalimpong . . .	1.	25·048(*b*).	26·048(*b*).
Aligarh . . .	4.	4·2.	3·0(*d*).
Hissar . . .	4.	2·4.	2·4(*b*).
Ambala . . .	11 and 12.	47·7 and —2·2.	47·9 and —2·0.
Lahore . . .	8, 12 and 16.	+0·6, —2·3 and —2.	+0·4, —0·7 and +11.
Rawalpindi . . .	1, 2 and 17.	28·273, —·032 and 1·0.	28·274, —·031 and 1·2.
Khushab . . .	1, 2, 3, 11 and 12.	29·354, —·035, N 59(*b*) E, 47·2(*b*) and —3·0.	29·352, —·037, N 57 E, 46·6 and —3·6.
Montgomery. . .	1 and 2.	29·405 and —·029.	29·406 and —·028.
Bahawalpur . .	1, 5 and 15.	29·600, 60·2 and 47.	29·601, 60·1 and 49.
Sonamarg . . .	18, 19, 20, 21, 22 and 23.	1·42, 0, 4, +1·6, 0·77 and 13.	0·65, —0·77, 3, +0·6, 0·25 and 7; *omit* (*b*) against the station.

NOVEMBER 1932—*contd.*

Reference.	Figure Column.	For	Read
Peshawar . . .	1 and 2.	28·811 and —·036.	28·813 and —·034.
Miranshah . . .	3 and 5.	N 7 W and 58·1.	N 10 W and 58·0.
Las Bela . . .	4 and 6.	2·5 and 57·4.	1·7 and 57·8.
Sukkur . . .	1 and 11.	29·778 and 54·6.	29·782 and 54·3.
Chhor	4 and 6.	2·9 and 53·1.	2·4 and 52·8.
Hyderabad . . .	1, 2 and 4.	29·899, +·003 and 3·3.	29·906, +·010 and 2·6.
Manora . . .	4.	5·2.	4·9.
Badin	1 and 4.	29·931 and 1·2.	29·928 and 0·9.
Jodhpur . . .	4.	2·9(*m*).	2·6(*n*).
Kotah . . .	3.	W.	S 63 W.
Bhuj	5.	70·9.	70·8.
Jhalrapatan . .	3.	N.	N 33 E.
Dwarka . . .	1 and 2.	29·916 and —·024.	29·917 and —·023.
Veraval . . .	11 and 12.	67·2 and —0·6.	67·5 and —0·3.
Surat	3.	N 72 E.	N 71 E.
Bhavnagar . . .	1, 2 and 17.	29·883, —·031 and 1·6.	29·894, —·020 and 1·7.
Seoni	3.	N 40 E.	N 36 E.
Pendra . . .	1 and 2.	27·889 and —·037.	27·894 and —·032.
Jagdalpur . . .	4.	5·1.	3·1.
Malegaon . . .	11 and 12.	57·0(*b*) and —0·7.	56·7 and —1·0.
Ahmadnagar . .	1 and 2.	27·771 and —·034.	27·768 and —·037.
Poona	16.	+14.	+5.
Sholapur . . .	1, 2 and 4.	28·332, —·034 and 33.	28·337, —·029 and 3·5.
Gadag . . .		*Omit* the figures in column 4.	
Nizamabad . . .	11 and 12.	64·4 and +4·0.	64·1 and +3·7.
Hyderabad (Dn.) . .	7 and 8.	84·4 and —0·1.	84·9 and +0·4.
Mysore . . .	18, 19, 22 and 23.	3·57, +1·02, 0·98 and 7.	4·00, +1·45, 1·03 and 25.
Page 87 . . .		*Omit* the footnote "(*l*) mean of 19 days."	
Mahableshwar . .	18, 20, 22 and 23.	0·19, 1, 0·12 and 7.	0·68, 2, 0·49 and 18.
Madura . . .	4, 7, 8, 11, 12, 13, 14, 18 and 19.	3·1, 87·6, +0·2, 73·8, +1·1, 70, "20, 26, 29", 9·13 and +4·18.	3·3, 87·8, +0·4, 73·7, +1·0, 68·25, 9·12 and +4·17.
Salem	17.	6·3.	6·4.
Masulipatam . .	18 and 19.	4·82 and —0·85.	5·42 and —0·25.

NOVEMBER 1932—*concld.*

Reference.	Figure Column.	For	Read
Vizagapatam . .	17.	5·4.	5·5.
Calingapatam . .	18 and 19.	11·04 and +7·14.	11·06 and +7·16.
Mukteswar . . .	1, 5, 11 and 12.	22·881(*b*), 52·6, 47·9 and +5·3.	22·881, 52·5, 47·8 and +5·2.
Murree . . .	4, 11, 12, 13 and 14.	3·1, 44·0(*b*), —1·6, 40 and 27.	3·4, 43·7, —1·9, 34 and 14.
Parachinar . . .	1 and 2.	24·546 and +·035.	24·549 and +·038.
Kalimpong . . .	1.	25·048(*b*).	26·048(*b*).

DECEMBER 1932.

Reference.	Figure Column.	For	Read
Victoria Point . .	2 and 8.	+·021 and +2·2.	+·031 and —2·2.
Comilla . . .	1.	30·023.	29·970.
Comilla . . .	2, 8, 12 and 16.	*Insert* —·015, 0, +2·4 and 0.	
Faridpur . . .	2, 8, 12 and 16.	*Insert* 0, +3·8, +2·5 and +6.	
Krishnagar . . .	2, 8, 12 and 16.	*Insert* —·018, +2·5, +0·8 and +3.	
Malda	2, 8, 12 and 16.	*Insert* —·007, +1·8, +2·7 and —2.	
Jalpaiguri . . .	8.	+2·	+2·0.
Balasore . . .	7.	79·7.	79·7(*l*).
Chaibasa . . .	16.	—6.	—8.
Hazaribagh . . .	1.	27·976.	27·973.
Hazaribagh . . .	2, 8, 12 and 16.	*Insert* —·006, +1·0, —3·3 and +8.	
Aligarh . . .	1, 4 and 5.	29·408, 4·1 and 52·3.	29·404, 3·2 and 52·8.
Dehra Dun . . .	1.	29·726.	27·726.
Lahore . . .	8, 12 and 16.	—1·7, —0·9 and +2.	—2·3, +0·4 and +3.
Rawalpindi . . .	1 and 2.	28·317(*a*) and —·029.	28·319 and —·027.
Khushab . . .	1 and 2.	29·433 and —·020.	29·432 and —·021.
Multan . . .	4, 18, 19 and 23.	1·4(*b*), 0·01, —0·21 and 26.	1·4, 0·02, —0·20 and 24, 26.
Peshawar . . .	3.	S 3 W.	S.
Dera Ismail Khan .	11 and 12.	39·0(*a*) and —1·6.	39·1 and —1·5.
Quetta. . . .	1, 2, 3, 5, 7, 8, 10, 11, 12 and 17.	24·778, —·004, S 19 W, 29·2, 51·6(*b*), —3·3, 17, 24·7, —6·3 and 4·5.	24·780, —·002, S 14 W, 29·1, 51·9(*a*), —3·0, "1, 16, 17", 24·6, —6·4 and 4·4; *Omit* (*a*) against the Station.
Las Bela . . .	3 and 4.	N 19 W and 2·5.	N 21 W and 1·9.
Jacobabad . . .	4, 6, 15 and 16.	1·6, 45·4, 43 and —21.	1·2, 45·8, 47 and —17.
Sukkur . . .	1 and 3.	29·842 and N 80 E.	29·807 and N 81 E.
Chhor	1.	30·028.	30·034.
Hyderabad (Sind) .	4.	4·8.	4·5.
Karachi . . .	4.	7·3.	7·0.
Badin	1, 3, 4 and 11.	30·007, N 18 E, 3·3 and 51·1.	30·003, N 15 E, 2·4 and 50·5.
Kotah	5, 6, 7, 8, 11, 12, 14, 15 and 16.	59·1, 50·3, 81·0, +1·9, 51·4(*a*),—1·5, "6, 31", 48 and —8.	59·4, 50·5, 81·1, +2·0, 51·8, —1·1 "31", 49 and —7.
Jhalrapatan . .	1.	28·968.	28·967.
Dwarka . . .	5, 15 and 16.	70·3, 57 and —9.	70·5, 55 and —11.
Bhavnagar . . .	11, 12 and 17.	57·5, +1·6 and 1·7.	57·7, +1·8 and 1·9.

DECEMBER 1932—*concld.*

Reference.	Figure Column.	For	Read
Guna	1.	29·422.	28·422.
Sutna	3.	S 60 W.	S 49 W.
Umaria . . .	6.	49·7.	49·2.
Hoshangabad . .	11 and 12.	52·7(*a*) and + 3·0.	52·6(*a*) and — 2·9.
Jubbulpore . . .	4.	1·3(*a*).	1·3.
Pendra . . .	1, 2, 11 and 12.	27·949, —·011, 50·5 and +1·8.	27·953, —·007, 49·8 and +1·1.
Kanker . . .	17.	1·4.	1·5.
Ratnagiri . . .	3, 4, 7, 8, 11 and 12.	N 76 E, 4·4, 88·9, —0·3, 69·4 and + 1·9.	N 77 E, 4·3, 88·8, —0·4, 69·3 and + 1·8; *Omit* (*a*) against the Station.
Malegaon . . .	11 and 12.	51·7(*a*) and —0·3.	51·6 and —0·4.
Poona	16.	— 17.	+ 2.
Sholapur . . .	1, 2, 3, 4, 6, 7, 8, 11 and 12.	28·415, +·007, S 65 E, 3·8, 58·4, 85·3(*b*), + 1·2, 56·3(*a*) and —2·0.	28·420, +·012, S 64 E, 3·4, 58·3, 85·2, + 1·1, 55·8 and —2·5.
Aurangabad . .	11 and 12.	55·7(*a*) and + 0·4.	55·6 and + 0·3.
Nizamabad . . .	11 and 12.	54·5 and + 0·4.	54·7 and + 0·6.
Gulbarga . . .	11, 12 and 17.	57·4(*a*), + 1·4 and 0·6.	57·0, + 1·5 and 0·7.
Raichur . . .	1, 2 and 3.	28·675, +·014 and S 70 E.	28·678, +·017 and S 74 E.
Hyderabad (Dn.) . .	4, 7 and 8.	2·4, 83·4 and +1·0.	2·3, 83·9 and +1·5
Cochin . . .	6, 15 and 16.	71·8, 70 and + 4.	72·1, 72 and + 2.
Tinnevelly . . .	18 and 19.	3·72 and + 0·28.	4·22 and + 0·22.
Pamban . . .	1 and 2.	29·908 and +·019.	29·909 and +·020.
Madura . . .	3.	N 13 E.	N 10 E.
Trichinopoly . .	11 and 12.	70·3 and + 1·0.	70·1 and + 0·8.
Madras . . .	18 and 19.	3·07 and —2·74.	3·16 and —2·65.
Vizagapatam . .	11 and 12.	66·1 and + 2·0.	66·5 and + 1·6.
Calingapatam . .	11 and 12.	63·8(*b*) and + 1·0.	63·5 and + 0·7.
Mukteswar . . .	1, 2, 3, 5, 6, 7, 8, 11, 12, 15 and 16.	22·848, —·009, S 85 W, 43·7, 35·0, 52·3, —1·7, 40·3, +2·3, 41 and 0.	22·842, —·005, S 86 W, 43·8, 34·9, 52·4, + 1·6, 40·5, +2·5, 38 and —3; *Omit* (*a*) against the Station.
Murree . . .	4.	3·3.	6·5.

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